

FINAL

**PROPOSED SUBSURFACE
INTERIM MEASURES/
INTERIM REMEDIAL ACTION PLAN/
ENVIRONMENTAL ASSESSMENT
AND DECISION DOCUMENT**

OPERABLE UNIT NO. 2

U.S. DEPARTMENT OF ENERGY

Rocky Flats Plant
Golden, Colorado

ENVIRONMENTAL RESTORATION PROGRAM

20 March 1992

Volume II - Appendices

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REVIEWED FOR CLASSIFICATION/UCNI
By K. R. Johnson Dated 3/31/92

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VOLUME II

**U.S. Department of Energy
Rocky Flats Plant
Golden, Colorado**

20 MARCH 1992

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Prepared by:

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REVIEWED FOR CLASSIFICATION/UCNI

**By *[Signature]* *3/31/92* *MINAD*
Date *3/31/92***

PREFACE TO APPENDICES

The analytical data presented in Subsurface IM/IRAP/EA Appendices A and B were obtained from the Rocky Flats Environmental Database System (RFEDS). The data often include qualifiers to aid the reader in assessment of the contaminant concentrations reported. These qualifiers are defined in many of the data tables presented in the appendices. The five most common data qualifiers are briefly discussed here for the benefit of the reader.

- B = Present in blank. As part of the laboratory Quality Assurance/Quality Control Program, sealed samples of distilled water accompany environmental samples as they are handled within the analytical laboratory. The distilled water samples are called laboratory blanks and are analyzed along with the environmental samples. The purpose of blank analysis is to reveal contamination of the associated environmental samples with chemicals used in the laboratory. Blank analysis often indicates the presence of volatile organic compounds commonly used as laboratory solvents (e.g., acetone and methylene chloride). When analysis of a laboratory blank associated with an environmental sample reveals the presence of a chemical, the concentration of that chemical in the environmental sample is reported with an upper case "B" (e.g., 20B parts per billion).
- D = All compounds identified in an analysis at a secondary deletion fraction.
- E = Estimated. Laboratory analysis indicates that the contaminant concentration is above the detection limit, but its value can only be estimated due to instrument signal interference (i.e., the presence of other chemicals) and/or the concentration is above the upper range of calibration of the instrument. The accuracy of concentration measurements that are "Estimated" vary from analysis to analysis. Estimated results are reported as the numerical value followed by the upper case "E" (e.g., 70E parts per billion).
- J = Present below detection limit. Laboratory analysis indicates the chemical in question is present in the sample, but at a level below the method detection limit. In this case, the concentration of the chemical can only be estimated. The accuracy of concentration estimates that are below the method detection limit vary from analysis to analysis. The estimated value is reported with an upper case "J" (e.g., 2J parts per billion).

PREFACE TO APPENDICES (continued)

U = Not detected. The sample was analyzed for the chemical in question, but was not detected. The result is reported as the numerical value of the method detection limit followed by an upper case "U" (e.g., 5U parts per billion).

The method detection limit for a chemical is specific to the sample analysis performed and is a function of the analysis method, instrument detection limit, and sample dilution factor. As a result, the method detection limit reported for a given chemical may vary from analysis to analysis. For example, non-detect analyses for trichloroethylene may be reported as 5U and 20U for two separate analyses.

RADIOMUCLIDE AND VOLATILE ORGANIC COMPOUND DATA

The concentration units of radionuclides in soils are reported in pCi/gram (g) with the exception of tritium which is reported in pCi/l due to the analytical procedure. The concentration of VOC data is reported in micrograms per kilogram ($\mu\text{g}/\text{kg}$).

Uranium that is reported as the sum of all isotopes ($\text{U}_{233-234}$, $\text{U}_{235,238}$). The concentration units of the radionuclide and volatile organic compound (VOC) data in ground water and surface water are reported picoCuries per liter (pCi/l) and micrograms per liter ($\mu\text{g}/\text{l}$), respectively.

The reported concentrations of radionuclides in soil and ground water include values that are less than the corresponding calculated minimum detectable concentration and in some cases, values less than zero. Negative values result when the measured value for laboratory reagent blank (i.e., background radioactivity) is subtracted from an analytical result that was measured as a smaller value than the reagent blank. These resulting negative values are included in any arithmetic calculations on the data sit.

Radionuclide concentration data is reported in the form of $a \pm b$. For a single measurement "a" is the reagent blank corrected value; for multiple measurement "9" represents the average value (arithmetic mean). The error term "b" accounts for the propagated statistical counting uncertainty for the sample and the associated reagent blank at the 95% confidence level. These error terms represent a minimum estimate of error for the data.

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GLOSSARY OF ACRONYMS

Am	Americium
ARA	Applicable or Relevant and Appropriate Requirement
AS	Analytical Sampling Location
AT	Analytical Transmitter
BH	Borehole
CAA	Clean Air Act
CCl ₄	Carbon Tetrachloride
CDH	Colorado Department of Health
CEARP	Comprehensive Environmental Assessment and Response Program
CEDE	Committed Effective Dose Equivalent
CEQ	Council of Environmental Quality
CERCLA	Comprehensive Environmental Resource, Compensation and Liability Act of 1980
CFR	Code of Federal Regulations
CMS	Corrective Measures Study
COE	U.S. Army Corps of Engineers
CWA	Clean Water Act
d/m/g	disintegrations per minute per gram
DNAPL	Dense Non-Aqueous Phase Liquid
DOE	U.S. Department of Energy
DOT	U.S. Department of Transportation
DQO	Data Quality Objective
DRCOG	Denver Regional Council of Governments
EA	Environmental Assessment
EPA	U.S. Environmental Protection Agency
ER	Environmental Restoration (Program)
ERHSPP	Environmental Restoration Health and Safety Program Plan
ESA	Endangered Species Act
FFACO	Federal Facility Agreement and Consent Order
FI	Flow Indicator
FR	Federal Register
FS	Feasibility Study
ft/ft	feet per foot
GAC	Granular Activated Carbon
HA	High Alarm
HEPA	High Efficiency Air Particulate
HI	Hazard Index
HS	Health and Safety (Department)
IAG	Inter-Agency Agreement
IHSS	Individual Hazardous Substance Site
IM/IRAP	Interim Measures/Interim Remedial Action Plan

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GLOSSARY OF ACRONYMS (continued)

LI	Level Indicator
mg/l	milligrams per liter
mrem	milli radiation equivalent man
NCP	National Contingency Plan
NEPA	National Environmental Policy Act of 1969
NPDES	National Pollutant Discharge Elimination System
1,1,1-TCA	1,1,1-Trichloroethane
OSA	Operational Safety Analysis
OSWER	Office of Solid Waste and Emergency Response
OU2	Operable Unit No. 2
PA	Protected Area
PCE	Tetrachloroethene
pCi/g	picocurie per gram
pCi/l	picocurie per liter
PI	Pressure Indicator
PPCD	Plan for Prevention of Contaminant Dispersion
PSHSP	Project Specific Health and Safety Plan
Pu	Plutonium
PVC	Polyvinyl Chloride
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act of 1986
rem	radiation equivalent man
RFI	RCRA Facility Investigation
RFP	Rocky Flats Plant
RI	Remedial Investigation
SARA	Superfund Amendments and Reauthorization Act of 1986
SID	South Interceptor Ditch
SOP	Standard Operating Procedure
TCE	Tricholoroethene
TCLP	Toxicity Characteristic Leaching Procedure
TI	Temperature Indicator
U	Uranium
USC	United States Code
USFWS	U.S. Fish and Wildlife Coordination Act
UV	Ultra-violet
VOC	Volatile Organic Compound
$\mu\text{g/l}$	micrograms per liter

APPENDIX A

SOIL SAMPLING RESULTS

**SUBSURFACE IM/IRA
OPERABLE UNIT NO. 2**

APPENDIX A-1

**SOIL SAMPLING RESULTS
RAW DATA**

**SUBSURFACE IM/IRA
OPERABLE UNIT NO. 2**

**SOIL SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS**

**Soil Boring Volatile Organic Results
903 Pad Area
Results reported in ug/kg***

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloroethene	trans-1,3-Di chloropropene	2-Chloroethyl Vinyl Ether
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromoform	Bromo methane	Carbon disulfide	Carbon Tetra chloride	Chlorobenzene	Chloroethane
B315289	26-OCT-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
B318889	17-NOV-89	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
BH2287	9-JUL-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH2387	7-JUL-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH2487	8-JUL-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH2587	18-JUN-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH2687	16-JUL-87	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
BH2787	6-JUL-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH2887	13-JUL-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
B315289	26-OCT-89	10 U	10 U	10 U	4 J	5 U	5 U	10 U	5 U	5 U	10 U
B318889	17-NOV-89	9 U	9 U	9 U	9 U	4 U	4 U	9 U	4 U	4 U	9 U
BH2287	9-JUL-87	50.00 U	50.00 U	50.00 U	48.00 JB	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH2387	7-JUL-87	50.00 U	50.00 U	50.00 U	50.00 U	110.00 B	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH2487	8-JUL-87	50.00 U	50.00 U	50.00 U	50.00 U	30.00 JB	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH2587	18-JUN-87	50.00 U	50.00 U	50.00 U	50.00 U	110 B	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH2687	16-JUL-87	12 U	12 U	12 U	23	6 U	6 U	12 U	6 U	6 U	12 U
BH2787	6-JUL-87	50.00 U	50.00 U	50.00 U	50.00 U	140.00 B	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH2887	13-JUL-87	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
B315289	26-OCT-89	5 U	10 U	5 U	5 U	17 B	5 U	5 U	5 U	5 U	10 U
B318889	17-NOV-89	4 U	9 U	4 U	4 U	12 B	4 U	4 U	4 U	4 U	9 U
BH2287	9-JUL-87	25.00 U	50.00 U	25.00 U	25.00 U	6.00 J	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH2387	7-JUL-87	25.00 U	50.00 U	25.00 U	25.00 U	6.00 J	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH2487	8-JUL-87	25.00 U	50.00 U	25.00 U	25.00 U	6.00 J	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH2587	18-JUN-87	25.00 U	50.00 U	25.00 U	25.00 U	11 J	19 J	130	6 J	60	97
BH2687	16-JUL-87	6 U	12 U	6 U	6 U	20 B	6 U	6 U	6 U	6 U	12 U
BH2787	6-JUL-87	25.00 U	50.00 U	25.00 U	25.00 U	7.00 J	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH2887	13-JUL-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U

U=Analyzed but not detected

A=Acceptable with qualifications

V=Valid and acceptable

**=87 data reported on wet-weight basis; '89 data reported on dry-weight basis

J=Present below detection limit

V=Valid and acceptable

*=87 data reported on wet-weight basis; '89 data reported on dry-weight basis

E=Estimated Value

R=Rejected

B=Present in blank

**Soil Boring Volatile Organic Results
903 Pad Area
Results reported in ug/kg***

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	cis-1,3-Dichloroethane	trans-1,2-Dichloroethane	trans-1,3-Dichloroethane	2-Chloropropene	chloroethene	chloropropene	chloropropene	chloropropene	chloropropene
BH3087	16-JUN-87	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone	Benzene	Bromodichloroethane	Bromoform	Bromoform	Bromoform	Carbon Tetrafluoride	Chlorobenzene	Chloroethane	Chloroethane	Chloroethane	Chloroethane	Chloroethane
BH3087	16-JUN-87	10 U	10 U	10 U	124.2 B	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethyl Benzene	Methylene Chloride	Styrene	Tetrachloroethene	Tetrachloroethene	Toluene	Trichloroethene	Xylenes	Total Acetate	Vinyl Acetate	Vinyl Chloride	Vinyl Chloride	Vinyl Chloride
BH3087	16-JUN-87	5 U	5 U	10 U	5 U	5 U	31.6 B	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U

U=Analyzed but not detected

A=Acceptable with qualifications

J=Present below detection limit
V=Valid and acceptable
*=187 data reported on wet-weight basis; '89 data reported on dry-weight basis

E=Estimated Value

R=Rejected

B=Present in blank

Soil Boring Volatile Organic Results
Mound Area
Results reported in ug/kg*

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethene	cis-1,3-Dichloroethene	trans-1,2-Dichloroethene	trans-1,3-Di chloropropene	2-Chloroethyl vinyl Ether
BH3287	3-AUG-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	29.00	25.00 U	25.00 U	25.00 U	25.00 U
BH3387	30-JUL-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH3487	29-JUL-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH3587	27-JUL-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH3587	28-JUL-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH3687	20-JUL-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH3787	17-JUL-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH3887	14-JUL-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Chloroethane
BH3287	3-AUG-87	50.00 U	50.00 U	50.00 U	99.00	25.00 U	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U
BH3387	30-JUL-87	50.00 U	50.00 U	50.00 U	130.00	25.00 U	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U
BH3487	29-JUL-87	50.00 U	50.00 U	50.00 U	210.00	25.00 U	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U
BH3587	27-JUL-87	50.00 U	50.00 U	50.00 U	310.00	25.00 U	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U
BH3587	28-JUL-87	50.00 U	50.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U
BH3687	20-JUL-87	50.00 U	50.00 U	50.00 U	19.00 J	25.00 U	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U
BH3787	17-JUL-87	50.00 U	50.00 U	50.00 U	48.00 JB	25.00 U	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U
BH3887	14-JUL-87	50.00 U	50.00 U	50.00 U	86.00 JB	25.00 U	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloromethane	Ethylbenzene	Methylene chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Vinyl chloride
BH3287	3-AUG-87	25.00 U	50.00 U	25.00 U	25.00 U	9.00 J	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH3387	30-JUL-87	25.00 U	10.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH3487	29-JUL-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 J	25.00 U	25.00 U	50.00 U
BH3587	27-JUL-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	6.00 J	25.00 U	25.00 U	50.00 U
BH3587	28-JUL-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH3687	20-JUL-87	25.00 U	50.00 U	25.00 U	25.00 U	7.00 J	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH3787	17-JUL-87	25.00 U	50.00 U	25.00 U	17.00 JB	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH3887	14-JUL-87	25.00 U	50.00 U	25.00 U	12.00 J	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U

U=Analyzed but not detected

A=Acceptable with qualifications

V=Valid and acceptable

J=Present below detection limit

E=Estimated Value

R=Rejected

B=Present in blank

V=Valid and acceptable

*='87 data reported on wet-weight basis; 189 data reported on dry-weight basis

Soil Boring Volatile Organic Results
East Trenches Area
Results reported in ug/kg*

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloroethene	2-Chloroethyl chloroethene	2-Chloropropene	Vinyl Ether
B217389	26-SEP-89	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
B217589	17-OCT-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
B218189	06-NOV-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
B218189	07-NOV-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
B218189	08-NOV-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
B218589	10-OCT-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
B218589	10-NOV-89	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
B218689	13-NOV-89	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
B218689	14-NOV-89	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone	Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloro ethane	Vinyl Chloride
B217389	26-SEP-89	12 U	12 U	12 U	11 U	11 U	5 U	5 U	5 U	12 U	6 U	6 U	6 U	12 U
B217589	17-OCT-89	11 U	9 U	9 U	9 U	9 U	5 U	5 U	5 U	11 U	5 U	5 U	5 U	11 U
B218189	06-NOV-89	9 U	9 U	9 U	9 U	9 U	5 U	5 U	5 U	9 U	5 U	5 U	5 U	9 U
B218189	07-NOV-89	9 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	9 U	5 U	5 U	5 U	9 U
B218189	08-NOV-89	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
B218589	10-OCT-89	10 U	11 U	11 U	11 U	11 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
B218589	10-NOV-89	11 U	12 U	12 U	12 U	12 U	6 U	6 U	6 U	11 U	6 U	6 U	6 U	11 U
B218689	13-NOV-89	12 U	11 U	11 U	11 U	11 U	6 U	6 U	6 U	12 U	6 U	6 U	6 U	12 U
B218689	14-Nov-89	11 U								11 U	6 U	6 U	6 U	11 U
Well Number	Date Sampled	chloroform	chloromethane	dibromoethyl benzene	methylene chloride	styrene	tetrachloro ethene	tetrachloroethylene	toluene	Total xylenes	Trichloro ethene	Vinyl acetate	Vinyl chloride	Vinyl acetate
B217389	26-SEP-89	6 U	12 U	6 U	6 U	3 JB	6 U	6 U	1 J	6 U	6 U	12 U	12 U	12 U
B217589	17-OCT-89	5 U	11 U	5 U	5 U	69 B	5 U	5 U	2 J	5 U	5 U	11 U	11 U	11 U
B218189	06-NOV-89	5 U	9 U	5 U	5 U	15 B	5 U	5 U	5 U	5 U	5 U	9 U	9 U	9 U
B218189	07-NOV-89	5 U	9 U	5 U	5 U	19 B	5 U	5 U	5 U	5 U	5 U	9 U	9 U	9 U
B218189	08-NOV-89	5 U	10 U	5 U	5 U	11 B	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U
B218589	10-OCT-89	5 U	10 U	5 U	5 U	210 E	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U
B218589	10-NOV-89	6 U	11 U	6 U	6 U	77 B	6 U	6 U	1 JB	6 U	6 U	11 U	11 U	11 U
B218689	13-Nov-89	6 U	12 U	6 U	6 U	11 B	6 U	6 U	6 U	6 U	6 U	12 U	12 U	12 U
B218689	14-Nov-89	6 U	11 U	6 U	6 U	14 B	6 U	6 U	1 JB	6 U	6 U	11 U	11 U	11 U

U=Analyzed but not detected

A=Acceptable with qualifications

J=Present below detection limit
V=Valid and acceptable
*=89 data reported on wet-weight basis

B=Present in blank

E=Estimated Value

R=Rejected

Soil Boring Volatile Organic Results
East Trenches Area
Results reported in ug/kg*

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethene	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloroethene	1,2-Dichloroethene	cis-1,3-Dichloro-1,3-butadiene	trans-1,2-Dichloro-1,3-butadiene	trans-1,3-Dichloro-1,2-butadiene	2-Chloroethyl chloroethene	2-Chloropropene	Vinyl Chloride
B218789	15-NOV-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
B218789	16-NOV-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
B218989	27-NOV-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
B319789	18-JAN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BH3987	12-AUG-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4087	13-AUG-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4187	17-AUG-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4287	18-AUG-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4287	19-AUG-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Bromoform	Carbon disulfide	Carbon Tetrachloride	Chloroethane	Chloroethylene	Chloroethane	Vinyl Chloride
B218789	15-NOV-89	11 U	11 U	11 U	10 U	10 U	5 U	5 U	5 U	11 U	5 U	5 U	5 U	5 U	11 U
B218789	16-NOV-89	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
B218989	27-NOV-89	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
B319789	18-JAN-90	11 U	11 U	11 U	10 J	10 J	5 U	5 U	5 U	11 U	5 U	5 U	5 U	5 U	11 U
BH3987	12-AUG-87	40.00 J	50.00 U	50.00 U	79.00	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH4087	13-AUG-87	50.00 U	50.00 U	50.00 U	140.00	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH4187	17-AUG-87	50.00 U	50.00 U	50.00 U	150.00	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH4287	18-AUG-87	50.00 U	50.00 U	50.00 U	71.00	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH4287	19-AUG-87	50.00 U	50.00 U	50.00 U	110.00	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
Well Number	Date Sampled	Chloroform	Chloro-methane	Dibromoethylbenzene	Methylene chloride	Styrene	Tetrachloroethene	Toluene	Toluene	Total Xylenes	Trichloroethene	Vinyl ethene	Vinyl Acetate	Vinyl Chloride	
B218789	15-NOV-89	5 U	11 U	5 U	5 U	24.8	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	11 U
B218789	16-NOV-89	5 U	10 U	5 U	5 U	7.8	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
B218989	27-NOV-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
B319789	18-JAN-90	5 U	11 U	5 U	3 J	9	5 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U	11 U
BH3987	12-AUG-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH4087	13-AUG-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH4187	17-AUG-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH4287	18-AUG-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH4287	19-AUG-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U

U=Analyzed but not detected

A=Acceptable with qualifications

*=187 date reported on wet-weight basis; '89 data reported on dry-weight basis

J=Present below detection limit

Y=Valid and acceptable

E=Estimated Value

R=Rejected

B=Present in blank

Soil Boring Volatile Organic Results
East Trenches Area
*** Results reported in ug/kg***

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	2-Chloroethyl Vinyl Ether
BH4287	21-AUG-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4387	04-JUN-87	6.00 J	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4387	04-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4387	08-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4487	09-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4587	28-AUG-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4587	31-AUG-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4687	3-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4687	02-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Bromoform	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane
BH4287	21-AUG-87	50.00 U	50.00 U	50.00 U	78.00	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH4387	04-JUN-87	130.00	50.00 U	330.00	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH4387	04-SEP-87	120.00	50.00 U	300.00	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH4387	08-SEP-87	50.00 U	50.00 U	130.00 B	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH4487	09-SEP-87	50.00 U	50.00 U	160.00 B	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH4587	28-AUG-87	50.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH4587	31-AUG-87	50.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH4687	3-SEP-87	50.00 U	50.00 U	210.00 B	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH4687	02-SEP-87	50.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	50.00 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethylbenzene	Methylene Chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride	Acetone
BH4287	21-AUG-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4387	04-JUN-87	25.00 U	50.00 U	25.00 U	25.00 U	14.00 J	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4387	04-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	8.00 J	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4387	08-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	17.00 JB	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4487	09-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	7.00 J	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4587	28-AUG-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4587	31-AUG-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4687	3-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	5.00 J	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4687	02-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U

U=Analyzed but not detected

A=Acceptable with qualifications

J=Present below detection limit

V=Valid and acceptable

* = 87 data reported on wet-weight basis; '89 data reported on dry-weight basis

B=Present in blank

E=Estimated Value

R=Rejected

Soil Boring Volatile Organic Results
East Trenches Area
Results reported in ug/kg*

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	2-Chloroethyl Vinyl Ether
BH4787	11-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4787	14-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4787	15-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4887	16-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4887	17-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4987	18-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH4987	21-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH5087	17-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH5187	18-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
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Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromotrichloromethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
BH4787	11-SEP-87	50.00 U	50.00 U	50.00 U	77.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH4787	14-SEP-87	50.00 U	50.00 U	50.00 U	410.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH4787	15-SEP-87	50.00 U	50.00 U	50.00 U	190.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH4887	16-SEP-87	50.00 U	50.00 U	50.00 U	100.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH4887	17-SEP-87	50.00 U	50.00 U	50.00 U	220.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH4987	18-SEP-87	50.00 U	50.00 U	50.00 U	300.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH4987	21-SEP-87	50.00 U	50.00 U	50.00 U	91.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH5087	17-SEP-87	50.00 U	50.00 U	50.00 U	100.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
BH5187	18-SEP-87	50.00 U	50.00 U	50.00 U	170.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	50.00 U
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Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloro Ethyl Benzene	Methylene Chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Chloride
BH4787	11-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH4787	14-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	12.00 JB	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH4787	15-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	12.00 JB	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH4887	16-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	11.00 JB	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH4887	17-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH4987	18-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH4987	21-SEP-87	25.00 U	50.00 U	25.00 U	6.00 JB	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH5087	17-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U
BH5187	18-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	50.00 U

U=Analyzed but not detected

A=Acceptable with qualifications

*=1987 date reported on wet-weight basis; '89 data reported on dry-weight basis

J=Present below detection limit

V=Valid and acceptable

E=Estimated Value

R=Rejected

B=Present in blank

Soil Boring Volatile Organic Results
East Trenches Area
Results reported in ug/kg*

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloroethene	trans-1,3-Dichloroethene	2-Chloroethyl vinyl Ether
BH5187	22-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	7.00 J	25.00 U	25.00 U	25.00 U	25.00 U
BH5287	22-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	7.00 J	25.00 U	25.00 U	25.00 U	25.00 U
BH5387	11-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH5387	14-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	8.00 J	25.00 U	25.00 U	25.00 U	25.00 U
BH5487	15-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	120.00	25.00 U	25.00 U	25.00 U	25.00 U
BH5487	16-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	8.00 J	25.00 U	25.00 U	25.00 U	25.00 U
BH5487	18-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	46.00	25.00 U	25.00 U	25.00 U	25.00 U
BH5487	21-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	22.00 J	25.00 U	25.00 U	25.00 U	25.00 U
BH5587	15-SEP-87	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	14.00 J	25.00 U	25.00 U	25.00 U	25.00 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloroform	Bromoform	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
BH5187	22-SEP-87	50.00 U	50.00 U	50.00 U	300.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U
BH5287	22-SEP-87	50.00 U	50.00 U	50.00 U	43.00 JB	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U
BH5387	11-SEP-87	50.00 U	50.00 U	50.00 U	75.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U
BH5387	14-SEP-87	50.00 U	50.00 U	50.00 U	900.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U
BH5487	15-SEP-87	50.00 U	50.00 U	50.00 U	300.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U
BH5487	16-SEP-87	50.00 U	50.00 U	50.00 U	270.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U
BH5487	18-SEP-87	50.00 U	50.00 U	50.00 U	1600.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U
BH5487	21-SEP-87	50.00 U	50.00 U	50.00 U	190.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U
BH5587	15-SEP-87	50.00 U	50.00 U	50.00 U	810.00 B	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloroform	Ethyl Benzene	Methylene Chloride	Styrene	Tetraethene	Tetrachloroethene	Toluene	Total Xylenes
BH5187	22-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	6.00 JB	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH5287	22-SEP-87	25.00 U	00.00 U	25.00 U	25.00 U	6.00 JB	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH5387	11-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	11.00 J	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH5387	14-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	10.00 JB	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH5487	15-SEP-87	5.00 J	50.00 U	25.00 U	25.00 U	7.00 JB	25.00 U	25.00 U	25.00 U	13.00 J	25.00 U
BH5487	16-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	11.00 JB	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH5487	18-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH5487	21-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	14.00 JB	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U
BH5587	15-SEP-87	25.00 U	50.00 U	25.00 U	25.00 U	6.00 JB	25.00 U	25.00 U	25.00 U	5.00 J	25.00 U

U=Analyzed but not detected

A=Acceptable with qualifications

J=Present below detection limit

V=Valid and acceptable

*='89 data reported on wet-weight basis;

'89 data reported on dry-weight basis

E=Estimated Value

R=Rejected

B=Present in blank

**SOIL SAMPLING RESULTS
TOTAL METALS**

Soil Boring Total Metal Results
903 Pad Area
Results reported in mg/kg**

Well Number	Date Sampled	Aluminum (Al)	Antimony (Al)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
B315289	26-OCT-89	5890	12.0 U	3.3	39.9 U	1.0 U	1.0 U	13900	200 U	16.0	10 U	7.0	6740	3.5	20.0 U
B318889	17-NOV-89	5920	11.2 U	2.5	50.8	0.94 U	0.94 U	64800	468 U	5.9	9.4 U	6.7	5550	2.2	18.7 U
BH2287	9-JUL-87	14000	12.00 U	2.6	61	1.00 U	1.4	70100		5.8	10.00 U	5.00 U	10200	1.6	
BH2387	7-JUL-87	12000	12.00 U	6.4	212	1.00 U	3.2	3650		18	10.00 U	19	16800	7.5	
BH2487	8-JUL-87	4040	6.3 U	11	.035	1.140	1.140 U	1600		3.64	4.54 U	4.54 U	4020	16.9	11.3 U
BH2587	18-JUN-87	17400	12.00 U	5.4	119	1.00 U	4.6	4220		20	10.00 U	9.5	18500	12.3	
BH2687	16-JUL-87	16300	6.8 U	17.8	216	1.22 U	1.22 U	24700		15.6	5.61	19.8	12500	22.8	12.71
BH2787	6-JUL-87	18900	12.00 U	8.7	100	1.00 U	5.4	2840		19	10.00 U	8.2	16100	8.0	
BH2887	13-JUL-87	6920	12 U	3.5	99	1.00 U	1.6	4560		6.7	10.00 U	5.00 U	5660	9.9	
BH3087	16-JUN-87	5320	5.6 U	7.88	66	1 U	1 U	79000		6.2	4 U	6.4	6040	5.18	10 U
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)	
B315289	26-OCT-89	1550	144	0.10 U	20.0 U	11.9	998 U	1.0 U	2.0 U	998 U	200 U	2.1 U	20.0 U	17.4	29.4
B318889	17-NOV-89	1900	72.8	0.10 U	18.7 U	7.7	936 U	0.84 U	1.9 U	936 U	71.5	1.7 U	18.7 U	21.9	23.4
BH2287	9-JUL-87	3600	109	0.18		8.00 U	1140	1.00 U	2.00 U	1000 U	74	2.00 U	16	18	
BH2387	7-JUL-87	3180	1080	0.19		16	1930	1.00 U	2.00 U	1000 U	14 J	2.00 U	40	37	
BH2487	8-JUL-87	752	39.3	.10 U		5.45 U	649	.35 U	.46 U	175	5.32	.48 U	9.32	10.9	
BH2587	18-JUN-87	3400	246	0.1 U		9.8	3020	1.00 U	2.00 U	1000 U	20 U	2.00 U	35	49	
BH2687	16-JUL-87	3700	169	.10 U		13.4	1635	.31 U	.51 U	427	87.6	.530 U	50.5	48.5	
BH2787	6-JUL-87	3350	356	0.1 U		10	2320	1.00 U	2.00 U	1000 U	12.2 J	2.00 U	39	40	
BH2887	13-JUL-87	1270	35	0.1 U		8.00 U	1000 U	1.00 U	2.00 U	1000 U	17 J	2.00 U	11	30	
BH3087	16-JUN-87	1680	117	.10 U		9	1022	.4 U	.4 U	232	70.2	.44 U	12.4	12.2	

B=Value less than Contract Required Detection Limit (CRDL) but greater than Instrument Detection Limit (IDL)

*=Duplicate analysis not within control limits

J=Present below detection limit

U=Analyzed by not detected

** '87 data reported on wet-weight basis; '89 data reported on dry-weight basis

E=Estimated Value

Soil Boring Total Metal Results
Mound Area
Results reported in mg/kg**

Well Number	Date Sampled	Aluminum (Al)	Antimony (Al)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
BH3287	3-AUG-87	4720	12.00 U	8.4	73	1.00 U	1.00 U	32400		4.1	10.00 U	7.6	9240	7.1	
BH3387	30-JUL-87	23200	12.00 U	11	76	1.00 U	3.7	25800		13	10.00 U	5.4	18900	5.2	
BH3487	29-JUL-87	12600	12.00 U	7.3	89	1.00 U	1.1	116000		6.5	10.00 U	5.00 U	10300	5.1	
BH3587	27-JUL-87	8300	12.00 U	13	50	1.00 U	1.00 U	77900		8.3	10.00 U	5.00 U	7130	3.5	
BH3587	28-JUL-87	11900	12.00 U	7.4	54	1.00 U	2.2	7600		13	10.00 U	8.2	17500	3.7	
BH3687	20-JUL-87	9020	12.00 U	5.3	100	1.00 U	1.3	136000		2.00 U	10.00 U	5.00 U	7760	9.4	
BH3787	17-JUL-87	9580	12.00 U	7.5	57	1.00 U	3.2	15800		11	10.00 U	6.4	11600	5.0	
BH3887	14-JUL-87	8580	12.00 U	9.6	59	1.00 U	2.2	48600		2.00 U	10.00 U	5.00 U	7160	7.5	
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
BH3287	3-AUG-87	1440	230	0.13		10	1000 U	1.00 U	2.00 U	1000 U	30	2.00 U	26	46	
BH3387	30-JUL-87	5260	146	0.1 U		8.0	1750	1.00 U	2.00 U	1000 U	24	2.00 U	21	34	
BH3487	29-JUL-87	2900	113	0.1 U		8.00 U	1230	1.00 U	2.00 U	1000 U	58	2.00 U	18	18	
BH3587	27-JUL-87	1880	78	0.1 U		8.7	1000 U	1.00 U	2.00 U	1000 U	43	2.00 U	17	12	
BH3587	28-JUL-87	3030	162	0.1 U		14	1020	1.00 U	2.00 U	1000 U	36	2.00 U	33	31	
BH3687	20-JUL-87	3160	100	0.1 U		8.00 U	1100	1.00 U	2.00 U	1000 U	120	2.00 U	13	20	
BH3787	17-JUL-87	2640	160	0.1 U		15	1470	1.00 U	2.00 U	1000 U	32	2.00 U	19	31	
BH3887	14-JUL-87	1890	122	0.1 U		11	1000 U	1.00 U	2.00 U	1000 U	36	2.00 U	12	19	

B=Value less than Contract Required Detection Limit (CRDL) but greater than Instrument Detection Limit (IDL)

*=Duplicate analysis not within control limits

U=Analyzed by not detected

J=Present below detection limit

E=Estimated Value

**= '87 data reported on wet-weight basis;

'89 data reported on dry-weight basis

**Soil Boring Total Metal Results
East Trenches Area
Results reported in mg/kg****

Well Number	Date Sampled	Antimony (Al)	Antimony (Al)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
B217389	26-SEP-89	9050	13.0 U	4.7	110	1.1 U	1.1 U	143000	216 U	7.1	10.8 U	5.4 U	6130	4.7	21.6 U
B217589	17-OCT-89	9780	15.3	4.8	52.7	1.1 U	1.1 U	1600	214 U	18.6	10.7 U	6.0	8240	11.1	21.4 U
B218189	06-NOV-89	7920	11.6 U	2.2 U	99.2	1.1	0.96 U	75600	482 U	8.2	9.6 U	13.0	7490	4.5	19.3 U
B218189	08-NOV-89	1650	12.5 U	1.7 U	41.6 U	1.0 U	1.0 U	3010	520 U	2.1 U	10.4 U	6.0	1140	6.7	20.8 U
B218589	10-OCT-89	10200	12.5 U	4.0	112	1.0 U	1.0 U	109000	209 U	8.4	10.4 U	5.2 U	8000	4.6	20.9 U
B218689	13-NOV-89	8230	12.8 U	3.2	87.6	1.1 U	1.1 U	109000	212 U	8.6	10.6 U	5.3 U	5280	3.5	21.2 U
B218789	15-NOV-89	5410	12.4 U	2.5	41.3 U	1.0 U	1.0 U	17800	207 U	7.8	10.3 U	8.4	5550	3.1	20.7 U
B218789	16-NOV-89	4810	12.8	3.9	41.1 U	1.0 U	1.0 U	1110	206 U	8.5	10.3 U	6.6	7380	4.3	20.6 U
B218989	27-NOV-89	6060	102 U	5.1	72.8	0.41 U	0.81 U	25800	204 U	7.7	4.1 U	5.5	6710	5.0	5.3
B319789	18-JAN-90	10800	106 U	6.1	96.5	1.2	0.85 U	54000	1000 U	9.8	7.4	8.3	8920	6.1	7.0
B319789	22-JAN-90	9520	115 U	9.3	79.2	1.7	0.92 U	3580	1000 U	14.6	12.8	13.7	12600	14.8	5.5
BH3587	12-AUG-87	15500	12.00 U	26	66	1.00 U	6.2	16100		8.7	10.00 U	8.2	15400	6.2	
BH4087	13-AUG-87	7900	12.00 U	15	69	1.00 U	2.2	32000		7.7	10.00 U	9.8	10700	8.5	
BH4187	17-AUG-87	6960	12.00 U	12	52	1.00 U	1.4	27300		32	10.00 U	5.9	9220	4.4	
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Silver (Ag)	Sulfur (S)	Thallium (Tl)	Tin (Sn)	Zinc (Zn)
B217389	26-SEP-89	4830	141	0.14	21.6 U	15.4	1080 U	6.5	2.2 U	1080 U	2.2 U	279	4.6 U	21.6 U	20.5
B217589	17-OCT-89	1200	113	0.22	21.4 U	8.6 U	1130	1.1 U	2.1 U	1070 U	2.1 U	214 U	2.1 U	21.4 U	130
B218189	06-NOV-89	2420	115	0.13 U	19.3 U	11.7	1650	1.1 U	1.9 U	965 U	1.9 U	67.0	2.2 U	29.1	21.2
B218189	08-NOV-89	1040 U	6.9	0.11 U	20.8 U	8.3 U	1040 U	0.85 U	2.1 U	1040 U	2.1 U	24.1	1.7 U	20.8 U	14.0
B218589	10-OCT-89	2970	82.4	0.13	20.9 U	15.5	1040 U	1.0 U	2.1 U	1040 U	2.1 U	209 U	2.1 U	20.9 U	65.8
B218689	13-NOV-89	2420	75.7	0.33	21.2 U	12.8	1060 U	1.0 U	2.1 U	1060 U	2.1 U	212 U	2.1 U	21.2 U	59.4
B218789	15-NOV-89	1400	59.1	0.24	20.7 U	10.3	1030 U	1.0 U	2.1 U	1030 U	2.1 U	207 U	2.1 U	20.7 U	56.1
B218789	16-NOV-89	1030 U	137	0.24	20.6 U	8.2 U	1030 U	1.0 U	2.1 U	1030 U	2.1 U	206 U	2.1 U	20.6 U	72.9
B218989	27-NOV-89	1400	101	0.080	102 U	12.3	891	0.42 U	6.1 U	60.5	6.1 U	34.3	0.62 U	204 U	15.3
B319789	18-JAN-90	2610	244	0.095	106 U	23.9	1360	2.0 U	6.4 U	71.6	6.4 U	62.6	0.60 U	212 U	20.3
B319789	22-JAN-90	2540	220	0.12 U	115 U	33.2	1610	2.5 U	6.9 U	90.1	6.9 U	42.0	0.74 U	231 U	36.1
BH3987	12-AUG-87	2660	69	0.1 U	14	1340	1.00 U	2.00 U	1000 U	2.00 U	1.00 U	23	2.00 U	33	26
BH4087	13-AUG-87	2090	526	0.1 U	19	1000 U	1.00 U	2.00 U	1000 U	2.00 U	1.00 U	28	2.00 U	28	25
BH4187	17-AUG-87	1540	213	0.1 U	8.00 U	1000 U	1.00 U	2.00 U	1000 U	2.00 U	1.00 U	26	2.00 U	17	15

B=Value less than Contract Required Detection Limit (CRDL) but greater than Instrument Detection Limit (IDL)

*=Duplicate analysis not within control limits

J=Present below detection limit

U=Analyzed by not detected

**='87 data reported on wet-weight basis; '89 data reported on dry-weight basis

E=Estimated Value

**Soil Boring Total Metal Results
East Trenches Area
Results reported in mg/kg****

Well Number	Date Sampled	Aluminum (Al)	Antimony (Al)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
BH4287	18-AUG-87	9570	12.00 U	15	69	1.00 U	2.2	52700		14	10.00 U	11	8420	3.9	
BH4287	19-AUG-87	4900	12.00 U	9.3	46	1.00 U	1.00 U	2160		4.0	10.00 U	7.8	6000	8.0	
BH4287	21-AUG-87	1700	12.00 U	9.0	40.00 U	1.00 U	1.00 U	1000.00		3.2	10.00 U	5.00 U	3470	1.7	
BH4387	04-JUN-87	4660	12.00 U	2.2	40.00 U	1.00 U	1.7		3216	17	10.00 U	5.9	7040	1.6	
BH4387	04-SEP-87	6420	12.00 U	2.8	45.5	1.00 U	2.2		79300	2.4	10.00 U	5.00 U	8130	2.7	
BH4387	08-SEP-87	6400	12.00 U	2.00 U	40.00 U	1.00 U	2.8		1589	34	10.00 U	6.5	8010	2.4	
BH4487	09-SEP-87	9070	12.00 U	4.9	40.00 U	1.00 U	2.1		1830	9.0	10.00 U	10	9100	6.4	
BH4587	31-AUG-87	10300	12.00 U	10	40	1.00 U	3.4		58800	12	10.00 U	5.00 U	15700	6.4	
BH4687	2-SEP-87	8830	12.00 U	3.0	82.8	1.00 U	2.3		11684	16	10.00 U	8.1	9650	4.1	
BH4687	3-SEP-87	7960	12.00 U	2.0	151.4	1.1	6.2		4409	8.6	11	27	42700	8.8	
BH4787	11-SEP-87	9440	12.00 U	11.7	68	1.00 U	1.4		108000	4.8	10.00 U	5.00 U	8900	4.6	
BH4787	14-SEP-87	6760	12.00 U	4.3	40.00 U	1.00 U	1.00 U		1640	16	10.00 U	8.2	9930	4.8	
BH4787	15-SEP-87	5640	12.00 U	3.4	58	1.00 U	1.00 U		4000	6.9	11.8	5.00 U	5950	7.6	
BH4887	16-SEP-87	12700	12.00 U	22.8	56.6	1.00 U	2.4		109000	9.3	10.00 U	5.00 U	10200	5.4	
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Nickel (Ni)	Molybdenum (Mo)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
BH4287	18-AUG-87	2240	121	0.1 U		16	1240	1.00 U	2.00 U		1000 U	54	2.00 U	24	17
BH4287	19-AUG-87	1000.00	156	0.1 U		8.00 U	1000 U	1.00 U	2.00 U		1000 U	19 J	2.00 U	21	27
BH4287	21-AUG-87	1000.00	34	0.1 U		8.00 U	1000 U	1.00 U	2.00 U		1000 U	20.00 U	2.00 U	11	12
BH4387	04-JUN-87	1171	107	0.1 U		8.00 U	1000 U	1.00 U	2.00 U		1000 U	20.00 U	2.00 U	14	5.1
BH4387	04-SEP-87	1984	50	0.1 U		8.00 U	1000 U	1.00 U	2.00 U		1000 U	27	2.00 U	14	4.00 U
BH4387	08-SEP-87	1296	92	0.1 U		8.00 U	1000 U	1.00 U	2.00 U		1000 U	20.00 U	2.00 U	15	9.4
BH4387	09-SEP-87	1520	145	0.1 U		8.00 U	1000 U	1.00 U	2.00 U		1000 U	20.00 U	2.00 U	15	6.7
BH4387	31-AUG-87	3020	101	0.1 U		8.00 U	1000 U	1.00 U	2.00 U		1000 U	48	2.00 U	27	20
BH4387	2-SEP-87	1581	249	0.1 U		10	1063	1.00 U	2.00 U		1000 U	20.00 U	2.00 U	21	9.5
BH4387	3-SEP-87	1798	584	0.18		40	1000 U	1.00 U	2.00 U		1372	26	2.00 U	51	124
BH4387	11-SEP-87	2640	57	0.1 U		8.00 U	1000 U	1.00 U	2.00 U		1000 U	79	2.00 U	18	8.5
BH4387	14-SEP-87	1850	138	0.1 U		9.7	1140	1.00 U	2.00 U		1000 U	20.00 U	2.00 U	16	18.8
BH4387	15-SEP-87	1530	73.1	0.1 U		26.8	1000 U	1.00 U	2.00 U		1000 U	33.7	2.00 U	12.6	33.4
BH4387	16-SEP-87	3110	63.6	0.1 U		11.9	1200	1.00 U	2.00 U		1000 U	76.8	2.00 U	25.1	21

B=Value less than Contract Required Detection Limit (CRDL) but greater than Instrument Detection Limit (IDL)

*=Duplicate analysis not within control limits

J=Present below detection limit

U=Analyzed by not detected

E=Estimated Value

** '87 data reported on wet-weight basis;

*89 data reported on dry-weight basis

**Soil Boring Total Metal Results
East Trenches Area
Results reported in mg/kg****

Well Number	Date Sampled	Aluminum (Al)	Antimony (Al)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
BH4887	17-SEP-87	10300	12.00 U	12.3	40.00 U	1.00 U	1.6	4920		6.0	10.00 U	5.00 U	5300	10.6	
BH4987	18-SEP-87	9250	12.00 U	13.7	42	1.00 U	2.4	23000		15.2	10.00 U	10.5	9690	2.8	
BH4987	21-SEP-87	6640	12.00 U	3.8	40.00 U	1.00 U	1.00 U	1760		7.5	10.00 U	6.2	8830	2.9	
BH5087	17-SEP-87	9560	12.00 U	11.4	40.00 U	1.00 U	2.7	2450		11.3	10.00 U	13.1	14800	1.2	
BH5187	18-SEP-87	25300	12.00 U	28.4	99	1.00 U	5.6	4080		20.6	10.00 U	11.2	20200	45.6	
BH5187	22-SEP-87	12000	12.00 U	3.4	40.00 U	1.00 U	1.00 U	26100		13.3	10.00 U	7.5	10500	3.6	
BH5287	22-SEP-87	12600	12.00 U	4.8	112	1.00 U	1.2	175000		9.1	10.00 U	5.00 U	8780	4.3	
BH5387	11-SEP-87	9850	12.00 U	8.9	140	1.00 U	2.3	75600		7.3	10.00 U	6.9	9320	7.2	
BH5387	14-SEP-87	5530	12.00 U	3.0	40.00 U	1.00 U	1.00 U	1170		6.1	10.00 U	6.3	8000	2.5	
BH5487	15-SEP-87	3620	12.00 U	3.1	154	1.00 U	1.00 U	169000		2.00 U	10.00 U	5.00 U	3830	1.8	
BH5487	16-SEP-87	15100	12.00 U	29.6	53.4	1.00 U	2.1	58300		10.5	10.00 U	8.2	14600	3.6	
BH5487	18-SEP-87	24200	12.00 U	30.8	79	1.1	5.5	4620		24.6	10.00 U	17.3	19700	6.8	
BH5487	21-SEP-87	11900	12.00 U	5.5	64.8	1.00 U	1.9	2540		10.4	10.00 U	11.8	12000	5.5	
BH5587	15-SEP-87	11900	12.00 U	12.7	91	1.00 U	2.4	80000		3.8	10.00 U	5.00 U	10100	2.1	
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
BH4887	17-SEP-87	1970	15.7	0.1 U		8.00 U	1000 U	1.00 U	2.00 U	1000 U	29.1	2.00 U		13.8	
BH4987	18-SEP-87	1800	170	0.30		25.5	1260	1.00 U	2.00 U	1000 U	20.00 U	2.00 U		22.2	14.8
BH4987	21-SEP-87	1360	147	0.1 U		8.00 U	1000 U	1.00 U	2.00 U	1000 U	20.00 U	2.00 U		22.9	17.6
BH5087	17-SEP-87	1710	203	0.12		12.5	1250	1.00 U	2.00 U	1000 U	20.00 U	2.00 U		36	19.8
BH5187	18-SEP-87	2810	144	0.15		15.8	2620	1.00 U	2.00 U	1000 U	27	2.00 U		36.2	36.2
BH5187	22-SEP-87	2840	75.4	0.14		8.00 U	1310	1.00 U	2.00 U	1000 U	20.00 U	2.00 U		13.8	16.9
BH5287	22-SEP-87	4070	68.4	0.15		9.6	1400	1.00 U	2.00 U	1000 U	170	2.00 U		18.8	17.8
BH5387	11-SEP-87	2350	228	0.1 U		8.5	1970	1.00 U	2.00 U	1000 U	59	2.00 U		28	30
BH5387	14-SEP-87	2470	74.1	0.1 U		8.00 U	1000 U	1.00 U	2.00 U	1000 U	20.00 U	2.00 U		15.1	14.6
BH5387	15-SEP-87	2630	37.1	0.1 U		9.2	1000 U	1.00 U	2.00 U	1000 U	196	2.00 U		11	10.3
BH5387	16-SEP-87	3500	79.4	0.1 U		12	1620	1.00 U	2.00 U	1000 U	45.6	2.00 U		36.7	23.9
BH5387	18-SEP-87	4950	165	0.1 U		16	4170	1.00 U	2.00 U	1000 U	20.00 U	2.00 U		40.2	48.2
BH5387	21-SEP-87	2490	164	0.1 U		8.5	1760	1.00 U	2.00 U	1000 U	20.00 U	2.00 U		21.5	26.7
BH5387	15-SEP-87	2710	78.4	0.1 U		19.5	1250	1.00 U	2.00 U	1000 U	72.7	2.00 U		25.2	20.2

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*=Duplicate analysis not within control limits

J=Present below detection limit

U=Analyzed by not detected

**=1987 data reported on wet-weight basis; '89 data reported on dry-weight basis

E=Estimated Value

Soil Boring Total Metal Results
East Trenches Area
Results reported in mg/kg**

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
BH5687	10-SEP-87	5860	12.00 U	4.7	40.00 U	1.00 U	1.4	13300		14	10.00 U	11	8500	2.4	=====
BH5687	11-SEP-87	4090	12.00 U	7.1	40.00 U	1.00 U	1.00 U	4630		5.8	10.00 U	6.7	8150	3.1	=====
Well Number	Date	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
BH5687	10-SEP-87	1380	292	0.1 U		8.0	1000 U	1.00 U	2.00 U	1000 U	16 J	2.00 U	22	4.4	=====
BH5687	11-SEP-87	1120	94	0.1 U		8.8	1000 U	1.00 U	2.00 U	1000 U	20.00 U	2.00 U	25	11	=====

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J=Present below detection limit

E=Estimated Value

**= '87 data reported on wet-weight basis; '89 data reported on dry-weight basis

**SOIL SAMPLING RESULTS
INORGANIC COMPOUNDS**

Soil Boring Inorganic Results
903 Pad Area
 Results reported in mg/kg* except pH

Well Number	Date Sampled	Cyanide	Sulfide	Nitrate/Nitrite	Oil and Grease	pH
B315289	26-OCT-89		2 U	3.1		7.8
B318889	17-NOV-89		2 U	1.7		8.4
BH2287	9-JUL-87	1.25 U	200 U		1.7 U	8.75
BH2387	7-JUL-87	10.4	200 U		1.7 U	8.15
BH2487	8-JUL-87	1.49	200 U		261	7.43
BH2587	18-JUN-87	2.5 U	200 U		1.7 U	8.50
BH2687	16-JUL-87	0.25 U	200 U		5 U	8.28
BH2787	6-JUL-87	19.8	200 U		1.7 U	8.35
BH2887	13-JUL-87	1.25 U	200 U		1.7 U	8.35
BH3087	16-JUN-87	1.25 U	200 U		1.7 U	8.35

U=Analyzed but not detected
 *= '87 data reported on wet-weight basis;

J=Present below detection limit
 '89 data reported on dry-weight basis

E=Estimated value

Soil Boring Inorganic Results
Mound Area
Results reported in mg/kg* except PH

Well Number	Date Sampled	Cyanide	Sulfide	Nitrate/Nitrite	Oil and Grease	pH
BH3287	3-AUG-87	2.5 U	200 U			8.97
BH3387	30-JUL-87	2.5 U	200 U			8.75
BH3487	29-JUL-87	2.5 U	200 U			8.78
BH3587	27-JUL-87	2.5 U	200 U			8.94
BH3587	28-JUL-87	2.5 U	200 U			8.75
BH3687	20-JUL-87	2.5 U	200 U			9.25
BH3787	17-JUL-87	2.5 U	200 U			8.83
BH3887	14-JUL-87	1.25 U	200 U			1.7 U

U=Analyzed but not detected
 *= '87 data reported on wet-weight basis;

J=Present below detection limit
 '89 data reported on dry-weight basis

E=Estimated value

Soil Boring Inorganic Results
East Trenches Area
 Results reported in mg/kg* except PH

Well Number	Date Sampled	Cyanide	Sulfide	Nitrate/Nitrite	Oil and Grease	pH
B215389	31-OCT-89		2 U	1.0	1.0	8.7
B215389	06-NOV-89		2 U	1.2 U	1.2 U	7.9
B217389	26-SEP-89		2 U	1.7	1.7	8.4
B217589	17-OCT-89		4	1.9	1.9	7.0
B218189	06-NOV-89		3 U	1.8	1.8	7.7
B218189	08-NOV-89		2 U	1.3	1.3	8.4
B218589	10-OCT-89		2 U	2.4	2.4	7.8
B218689	13-NOV-89		2 U	2.6	2.6	8.6
B218789	15-NOV-89		2 U	1.1 U	1.1 U	8.4
B218789	16-NOV-89		2 U	1.1 U	1.1 U	8.7
B218989	27-NOV-89		2 U	1.1 U	1.1 U	8.0
B319789	18-JAN-90		2	1.6	1.6	6.9
B319789	22-JAN-90		2 U	4.3	4.3	7.9
BH3987	12-AUG-87		200 U	1.7	1.7	7.87
BH4087	13-AUG-87		200 U	1.7	1.7	8.67
BH4187	17-AUG-87		200 U	1.7 U	1.7 U	8.57
BH4287	18-AUG-87		200 U	1.7 U	1.7 U	8.37
BH4287	19-AUG-87		200 U	1.7 U	1.7 U	7.91
BH4287	21-AUG-87		200 U	1.7 U	1.7 U	8.05
BH4387	04-JUN-87		200 U	1.7 U	1.7 U	8.80
BH4387	04-SEP-87		200 U	1.7 U	1.7 U	8.20
BH4387	08-SEP-87		200 U	1.7 U	1.7 U	7.70
BH4487	09-SEP-87		200 U	1.7 U	1.7 U	8.87
BH4587	31-AUG-87		200 U	1.7 U	1.7 U	8.34
BH4687	2-SEP-87		200 U	1.7 U	1.7 U	8.53
BH4687	3-SEP-87		200 U	1.7 U	1.7 U	8.11
BH4787	11-SEP-87		200 U	1.7 U	1.7 U	8.22
BH4787	14-SEP-87		200 U	1.7 U	1.7 U	7.84
BH4787	15-SEP-87		200 U	1.7 U	1.7 U	7.42
BH4887	16-SEP-87		200 U	1.7 U	1.7 U	7.65
BH4887	17-SEP-87		200 U	1.7 U	1.7 U	7.52
BH4987	18-SEP-87		200 U	1.7 U	1.7 U	7.74
BH4987	21-SEP-87		200 U	1.7 U	1.7 U	7.42
BHS087	17-SEP-87		200 U	1.7 U	1.7 U	7.78
BHS087	18-SEP-87	3.33	200 U	1.7 U	1.7 U	8.02
BHS187	22-SEP-87		200 U	1.7 U	1.7 U	7.42
BHS287	22-SEP-87		200 U	1.7 U	1.7 U	7.83

U=Analyzed but not detected
 * = '87 date reported on wet-weight basis;

J=Present below detection limit
 '89 data reported on dry-weight basis

E=Estimated value

Soil Boring Inorganic Results
East Trenches Area
 Results reported in mg/kg* except PH

Well Number	Date Sampled	Cyanide	Sulfide	Nitrate/Nitrite	Oil and Grease	pH
BH5387	11-SEP-87	2.5 U	200 U			7.55
BH5387	14-SEP-87	2.5 U	200 U			8.41
BH5487	15-SEP-87	2.5 U	200 U			8.54
BH5487	16-SEP-87	2.5 U	200 U			8.38
BH5487	18-SEP-87	2.5 U	200 U			7.65
BH5487	21-SEP-87	2.5 U	200 U			7.65
BH5587	15-SEP-87	2.5 U	200 U			7.43
BH5687	10-SEP-87	2.5 U	200 U			8.73
BH5687	11-SEP-87	2.5 U	200 U	1.7 U		8.59

U=Analyzed but not detected
 * = '87 data reported on wet-weight basis;

J=Present below detection limit
 '89 data reported on dry-weight basis

E=Estimated value

**SOIL SAMPLING RESULTS
RADIONUCLIDES**

Soil Boring Radiochemistry Results
903 Pad Area

Well Number	Date Sampled	Gross Alpha (pci/g)	Gross Beta (pci/g)	Uranium Total* (pci/g)	Strontium 90 (pci/g)	Plutonium 239/240 (pci/g)	Americium 241 (pci/g)	Tritium (pci/l)
		=====	=====					
B315289	26-OCT-89	41.8 +/- 6.1	19.8 +/- 4.2	0.34	0.15 +/- 0.57	13.0 +/- 0.2	36500 +/- 1500	
B318889	17-NOV-89			1.05	-0.06 +/- 0.29	0.020 +/- 0.010	-140 +/- 200	
BH2287	9-JUL-87	32 +/- 14	22 +/- 6	0.61	-0.1 +/- 0.4	0.06 +/- 0.08	0.02 +/- 0.10	140
BH2387	7-JUL-87	30 +/- 12	16 +/- 6	0.38	1.1 +/- 0.5	1.1 +/- 0.2	0.10 +/- 0.12	-290
BH2487	8-JUL-87	300 +/- 40	26 +/- 6	0.75	-0.1 +/- 0.6	94 +/- 6	11 +/- 2	90
BH2587	18-JUN-87	29 +/- 13	27 +/- 6	2.09	0.4 +/- 0.5	0.06 +/- 0.07	-0.03 +/- 0.08	150
BH2687	16-JUL-87	190 +/- 30	20 +/- 6	2.1	0.0 +/- 0.4	85 +/- 2	12 +/- 1	20
BH2787	6-JUL-87	40 +/- 14	26 +/- 6	0.27	0.8 +/- 0.5	3.8 +/- 0.4	0.44 +/- 0.15	30
BH2887	13-JUL-87	39 +/- 14	21 +/- 6	2.5	-0.1 +/- 0.5	2.0 +/- 0.3	0.24 +/- 0.17	-30
BH3087	16-JUN-87	480 +/- 50	5.4 +/- 5.4	1.35	0.1 +/- 0.4	180 +/- 10	22 +/- 6	-100

*=sum of all Uranium Isotopes (U233-234, U235, U238)

The table format is: result +/- counting error

Soil Boring Radiochemistry Results
Mound Area

Well Number	Date Sampled	Gross	Gross	Uranium Total* (pci/g)	Strontium 90 (pci/g)	Plutonium 239/240 (pci/g)	Americium 241 (pci/g)	Tritium (pci/l)
		Alpha (pci/g)	Beta (pci/g)					
BL3287	3-AUG-87	25 +/- 14	14 +/- 6	1.09	-0.1 +/- 0.6	0.33 +/- 0.17	-0.06 +/- 0.11	80
BL3387	30-JUL-87	25 +/- 14	24 +/- 7	0.78	0.6 +/- 0.6	0.14 +/- 0.20	0.04 +/- 0.13	230
BL3487	29-JUL-87	18 +/- 13	16 +/- 6	0.7	0.0 +/- 0.5	-0.08 +/- 0.16	-0.02 +/- 0.07	20
BL3587	27-JUL-87	17 +/- 13	9.8 +/- 6.2	0.93	-0.4 +/- 0.6	1.5 +/- 0.2	0.40 +/- 0.19	40
BL3587	28-JUL-87	18 +/- 12	15 +/- 6	1.53	0.2 +/- 0.6	0.06 +/- 0.13	0.02 +/- 0.04	220
BL3687	20-JUL-87	12 +/- 11	15 +/- 6	2.9	0.1 +/- 0.5	0.53 +/- 0.16	0.04 +/- 0.18	-100
BL3787	17-JUL-87	29 +/- 13	22 +/- 6	1.09	0.0 +/- 0.4	-0.06 +/- 0.07	-0.02 +/- 0.16	-180
BL3887	14-JUL-87	17 +/- 11	25 +/- 6	0.8	0.1 +/- 0.5	0.08 +/- 0.13	-0.01 +/- 0.02	120

The table format is: result +/- counting error

*=sum of all Uranium isotopes (U233-234, U235, U238)

Soil Boring Radiochemistry Results
East Trenches Area

Well Number	Date Sampled	Gross Alpha (pCi/g)		Gross Beta (pCi/g)		Uranium Total* (pCi/g)	Strontium 90 (pCi/g)	Plutonium 239/240 (pCi/g)	Americium 241 (pCi/g)	Tritium (pCi/g)
		Alpha	Beta	Alpha	Beta					
B215389	31-OCT-89	9.0 +/- 3.0		14.4 +/- 3.7	1.9	0.37 +/- 0.37	0.131 +/- 0.036	0.031 +/- 0.015	-150 +/- 290	
B217389	26-SEP-89	11.2 +/- 2.9		27.4 +/- 4.9	2.3	0.26 +/- 0.33	0.364 +/- 0.045	-30 +/- 270		
B217589	17-OCT-89	15.2 +/- 4.0		22.9 +/- 4.0	0.77	0.52 +/- 0.48	0.645 +/- 0.047	500 +/- 550		
B218189	06-NOV-89	13.1 +/- 4.2		6.9 +/- 3.2	0.92	0.19 +/- 0.37	0.118 +/- 0.033	0.068 +/- 0.025	220 +/- 280	
B218189	08-NOV-89	51.1 +/- 6.6		29.6 +/- 4.5	1.84	0.27 +/- 0.35	0.011 +/- 0.008	0.005 +/- 0.007	-210 +/- 270	
B218589	10-OCT-89	25.0 +/- 5.2		21.2 +/- 4.5	0.75	0.20 +/- 0.36	0.633 +/- 0.072	170 +/- 200		
B218689	13-NOV-89	19.6 +/- 5.2		19.0 +/- 4.3	1.09	0.35 +/- 0.38	2.864 +/- 0.285	270 +/- 90		
B218789	15-NOV-89	8.6 +/- 2.1		11.5 +/- 4.1	0.77	0.27 +/- 0.27	1.604 +/- 0.164	0.256 +/- 0.054	470 +/- 220	
B218789	16-NOV-89	10.7 +/- 1.7		15.5 +/- 4.1	0.56	0.17 +/- 0.36	0.015 +/- 0.009	0.002 +/- 0.004	130 +/- 190	
B218989	27-NOV-89				0.59	0.08 +/- 0.38	0.020 +/- 0.014	200 +/- 220		
B319789	18-JAN-90	4.2 +/- 3.0		10.3 +/- 3.7	1.31	0.42 +/- 0.30	0.018 +/- 0.008	0.003 +/- 0.007		
B319789	22-JAN-90	6.4 +/- 4.3		22.6 +/- 4.7	1.31	0.12 +/- 0.57	0.005 +/- 0.005	0.005 +/- 0.010		
BH3987	12-AUG-87	31 +/- 14		21 +/- 6		0.5 +/- 0.5	0.03 +/- 0.10	0.01 +/- 0.09	110	
BH4087	13-AUG-87	26 +/- 13		24 +/- 7		0.8 +/- 0.3	-0.03 +/- 0.10	0.12 +/- 0.10	-230	
BH4187	17-AUG-87	13 +/- 10		16 +/- 6	1.59	0.2 +/- 0.5	0.17 +/- 0.18	-0.01 +/- 0.08	-290	
BH4287	18-AUG-87	23 +/- 11		23 +/- 6	0.89	0.2 +/- 0.4	0.18 +/- 0.14	0.07 +/- 0.09	-190	
BH4287	19-AUG-87	16 +/- 10		20 +/- 6	1.58	0.0 +/- 0.4	-0.09 +/- 0.11	0.00 +/- 0.09	390	
BH4287	21-AUG-87	30 +/- 11		9.9 +/- 5.3	0.65	0.2 +/- 0.4	-0.06 +/- 0.11	-0.01 +/- 0.08	170	
BH4387	04-JUN-87	24 +/- 14		17 +/- 6	0.87	0.5 +/- 0.6	-0.03 +/- 0.09	0.01 +/- 0.08	-300	
BH4387	04-SEP-87	14 +/- 13		20 +/- 6	0.87	0.1 +/- 0.5	0.09 +/- 0.12	-0.03 +/- 0.07	180	
BH4387	08-SEP-87	15 +/- 12		21 +/- 6	1.17	-0.3 +/- 0.5	-0.04 +/- 0.09	0.04 +/- 0.10	-100	
BH4487	09-SEP-87	40 +/- 14		27 +/- 6	1.61	0.1 +/- 0.5	0.07 +/- 0.09	-0.02 +/- 0.08	190	
BH4587	31-AUG-87	23 +/- 10		20 +/- 6	0.89	0.1 +/- 0.4	0.09 +/- 0.11	0.03 +/- 0.11	50	
BH4687	2-SEP-87	30 +/- 11		18 +/- 6	1.41	0.0 +/- 0.6	0.06 +/- 0.17	-0.02 +/- 0.06	20	
BH4687	3-SEP-87	42 +/- 16		31 +/- 6	1.33	-0.5 +/- 1.0	0.09 +/- 0.12	0.03 +/- 0.10	220	
BH4787	11-SEP-87	20 +/- 13		22 +/- 6	1.11	-0.1 +/- 0.5	0.01 +/- 0.13	0.06 +/- 0.09	90	
BH4787	14-SEP-87	17 +/- 11		16 +/- 6	0.84	0.4 +/- 0.6	0.03 +/- 0.10	0.09 +/- 0.11	-300	
BH4787	15-SEP-87	21 +/- 11		21 +/- 6	1.45	0.3 +/- 0.7	0.01 +/- 0.10	-0.02 +/- 0.09	-180	
BH4887	16-SEP-87	12 +/- 13		18 +/- 6	0.97	0.2 +/- 0.3	0.15 +/- 0.14	0.02 +/- 0.07	-10	
BH4887	17-SEP-87	15 +/- 12		25 +/- 6	0.96	0.0 +/- 0.5	0.03 +/- 0.10	0.03 +/- 0.07	140	
BH4987	18-SEP-87	21 +/- 12		14 +/- 6	1.02	0.0 +/- 0.4	0.10 +/- 0.13	0.02 +/- 0.07	-40	
BH4987	21-SEP-87	36 +/- 15		18 +/- 6	0.54	-0.1 +/- 0.5	-0.01 +/- 0.11	0.04 +/- 0.07	180	
BH5087	17-SEP-87	11 +/- 10		18 +/- 6	0.96	-0.1 +/- 0.6	-0.01 +/- 0.11	0.02 +/- 0.06	-260	
BH5187	22-SEP-87	24 +/- 14		31 +/- 6	1.06	0.2 +/- 0.4	-0.06 +/- 0.08	0.05 +/- 0.10	110	
BH5287	22-SEP-87	11 +/- 13		16 +/- 6	1.74	-0.2 +/- 0.4	0.58 +/- 0.17	0.14 +/- 0.10	100	
BH5387	11-SEP-87	28 +/- 14		22 +/- 7	1.35	0.3 +/- 0.5	6.0 +/- 0.2	0.53 +/- 0.20	230	

*=sum of all Uranium isotopes (U233-234, U235, U238)

The table format is: result +/- counting error

Soil Boring Radiochemistry Results
East Trenches Area

Well Number	Date Sampled	Gross Alpha	Gross Beta	Uranium Total*	Strontium 90	Plutonium 239/240	Americium 241	Tritium
		(pci/g)	(pci/g)					
BH5387	14-SEP-87	19 +/- 12	19 +/- 6	1.06	0.0 +/- 0.5	0.03 +/- 0.15	0.03 +/- 0.09	0
BH5487	15-SEP-87	5.5 +/- 6.6	11 +/- 5	0.94	0.2 +/- 0.5	0.31 +/- 0.14	0.05 +/- 0.09	-30
BH5487	16-SEP-87	14 +/- 13	20 +/- 6	0.88	-0.2 +/- 0.5	0.02 +/- 0.09	-0.04 +/- 0.05	130
BH5487	18-SEP-87	23 +/- 13	12 +/- 6	0.75	0.3 +/- 0.5	0.00 +/- 0.09	-0.03 +/- 0.05	170
BH5487	21-SEP-87	14 +/- 12	27 +/- 6	0.78	0.1 +/- 0.5	-0.01 +/- 0.09	0.06 +/- 0.08	120
BH5587	15-SEP-87	23 +/- 12	20 +/- 6	0.86	-0.1 +/- 0.5	0.06 +/- 0.09	-0.03 +/- 0.08	30
BH5687	10-SEP-87	16 +/- 10	20 +/- 6	0.89	0.1 +/- 0.4	-0.07 +/- 0.12	0.04 +/- 0.06	-270
BH5687	11-SEP-87	54 +/- 17	27 +/- 6	7.3	0.5 +/- 0.6	-0.04 +/- 0.12	0.08 +/- 0.10	-250

The table format is: result +/- counting error

*=sum of all Uranium isotopes (U233-234, U235, U238)

APPENDIX A-2

**SOIL SAMPLING RESULTS
SUMMARY TABLES**

**SUBSURFACE IM/IRA
OPERABLE UNIT NO. 2**

**SOIL SAMPLING RESULTS
SUMMARY TABLES FOR VOLATILE ORGANIC COMPOUNDS**

Summary Table for Soil-Boring Volatile Organic Contaminants
903 Pad Area

Analyte	Results reported in ug/kg					
	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	Maximum of Values
Chloromethane	10	10	0	17.05	9 U	
Bromomethane	10	10	0	17.05	9 U	
Vinyl Chloride	10	10	0	17.05	9 U	
Chloroethane	10	10	0	17.05	9 U	
Methylene Chloride	10	2	8	14.36	6.00 J	31.6 B
Acetone	10	2	8	61.87	4 J	140.00 B
Carbon Disulfide	10	10	0	8.50	4 U	
1,1-Dichloroethene	10	10	0	8.50	4 U	
1,1-Dichloroethane	10	10	0	8.50	4 U	
Trans-1,2-Dichloroethene	8	8	0	10.06	5 U	
1,2-Dichloroethene (total)	2	2	0	2.25	4 U	
Chloroform	10	10	0	8.50	4 U	
1,2-Dichloroethane	10	10	0	8.50	4 U	
2-Butanone	10	10	0	8.50	4 U	
1,1,1-Trichloroethane	10	10	0	8.50	4 U	
Carbon Tetrachloride	10	10	0	17.05	9 U	
Vinyl Acetate	10	10	0	8.50	4 U	
Bromodichloromethane	10	10	0	8.50	4 U	
1,2-Dichloropropane	10	10	0	8.50	4 U	
cis-1,3-Dichloropropene	10	10	0	8.50	4 U	
Trichloroethene	10	9	1	16.95	4 U	97
Dibromochloromethane	10	10	0	8.50	4 U	
1,1,2-Trichloroethane	10	10	0	8.50	4 U	
Benzene	10	10	0	8.50	4 U	
Trans-1,3-Dichloropropene	10	10	0	8.50	4 U	
2-Chloroethylvinylether	0	0	0	8.50	4 U	
Bromoform	10	10	0	17.05	9 U	
4-Methyl-2-pentanone	10	10	0	17.05	9 U	
2-Nexane	10	10	0	17.05	9 U	
Tetrachloroethene	10	9	1	20.25	4 U	130
1,1,2,2-Tetrachloroethane	10	10	0	8.50	4 U	
Toluene	10	9	1	7.85	4 U	6 J
Chlorobenzene	10	10	0	8.50	4 U	
Ethylbenzene	10	9	1	8.35	4 U	11 J
Styrene	10	10	0	8.50	4 U	
Total Xylenes	10	9	1	13.25	4 U	60

**Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=Analyzed but not detected, J=Present below Detection Limit, B=Present in Blank, E=Estimated Value
 Stations in this area: 8315289, 8318889, BH2287, BH2587, BH2687, BH2787, BH3087

Summary Table for Soil-Boring Volatile Organic Contaminants
Mound Area
Results reported in ug/kg

Analyte	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	Maximum of Values
Chloromethane	8	8	0	22.14	10.00 U	
Bromomethane	8	8	0	25.00	50.00 U	
Vinyl Chloride	8	8	0	25.00	50.00 U	
Chloroethane	8	8	0	25.00	50.00 U	
Methylene Chloride	8	4	4	11.79	7.00 J	17.00 JB
Acetone	8	1	7	108.5	19.00 J	310.00
Carbon Disulfide	8	8	0	12.50	25.00 U	
1,1-Dichloroethene	8	8	0	12.50	25.00 U	
1,1-Dichloroethane	8	8	0	12.50	25.00 U	
Trans-1,2-Dichloroethene	8	8	0	12.50	25.00 U	
1,2-Dichloroethene (total)	0	0	0	12.50	25.00 U	
Chloroform	8	8	0	12.50	25.00 U	
1,2-Dichloroethane	8	7	1	14.86	25.00 U	29.00
2-Butanone	8	8	0	25.00	50.00 U	
1,1,1-Trichloroethane	8	8	0	12.50	25.00 U	
Carbon Tetrachloride	8	8	0	12.50	25.00 U	
Vinyl Acetate	8	8	0	25.00	50.00 U	
Bromodichloromethane	8	8	0	12.50	25.00 U	
1,2-Dichloropropane	8	8	0	12.50	25.00 U	
cis-1,3-Dichloropropene	8	8	0	12.50	25.00 U	
Trichloroethene	8	8	0	12.50	25.00 U	
Dibromo(chloromethane)	8	8	0	12.50	25.00 U	
1,1,2-Trichloroethane	8	8	0	12.50	25.00 U	
Benzene	8	8	0	12.50	25.00 U	
Trans-1,3-Dichloropropene	8	8	0	12.50	25.00 U	
2-Chloroethylvinylether	0	0	0	12.50	25.00 U	
Bromoform	8	8	0	12.50	25.00 U	
4-Methyl-2-pentanone	8	8	0	25.00	50.00 U	
2-Hexanone	8	8	0	25.00	50.00 U	
Tetrachloroethene	8	8	0	12.50	25.00 U	
1,1,2,2-Tetrachloroethane	8	8	0	12.50	25.00 U	
Toluene	8	6	2	11.68	6.00 J	10.00 J
Chlorobenzene	8	8	0	12.50	25.00 U	
Ethylbenzene	8	8	0	12.50	25.00 U	
Styrene	8	8	0	12.50	25.00 U	
Total Xylenes	8	8	0	12.50	25.00 U	

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=analyzed but not detected, J=Present below Detection Limit, B=Present in Blank, E=Estimated Value
 Stations in this area: BH3287, BH3387, BH3487, BH3587, BH3787, BH3887

Summary Table for Soil-Boring Volatile Organic Contaminants
East Trenches Area

Analyte	Results reported in ug/kg					Maximum of Values
	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	
Chloromethane	47	47	0	18.72	00.00 U	
Bromomethane	47	47	0	18.96	9 U	
Vinyl Chloride	47	47	0	18.96	9 U	
Chloroethane	47	47	0	18.96	9 U	
Methylene Chloride	47	17	30	17.64	3 JB	210 E
Acetone	47	16	31	216.1	9 U	1700.00 B
Carbon Disulfide	47	47	0	9.47	5 U	
1,1-Dichloroethene	47	47	0	9.47	5 U	
1,1-Dichloroethane	47	47	0	9.47	5 U	
Trans-1,2-Dichloroethene	34	34	0	12.50	25.00 U	
1,2-Dichloroethene (total)	13	13	0	2.66	5 U	
Chloroform	47	46	1	9.40	5 U	5.00 J
Carbon Tetrachloride	47	33	14	11.24	5 U	120.00
1,2-Dichloroethane	47	44	3	22.10	9 U	130.00
2-Butanone	47	46	1	9.39	5 U	6.00 J
1,1,1-Trichloroethane	47	47	0	9.47	5 U	
Bromochloromethane	47	47	0	9.47	5 U	
1,2-Dichloropropane	47	47	0	9.47	5 U	
Vinyl Acetate	47	47	0	18.96	9 U	
cis-1,3-Dichloropropene	47	47	0	9.47	5 U	
Trichloroethene	47	47	0	9.47	5 U	
Dibromochloromethane	47	47	0	9.47	5 U	
1,1,2-Trichloroethane	47	47	0	9.47	5 U	
Benzene	47	47	0	9.47	5 U	
Trans-1,3-Dichloropropene	47	47	0	9.47	5 U	
2-Chloroethylvinylether	0	0	0	9.47	5 U	
Bromoform	47	47	0	18.96	9 U	
4-Methyl-2-pentanone	47	47	0	18.96	9 U	
2-Hexanone	47	47	0	9.47	5 U	
Tetrachloroethene	47	47	0	9.47	5 U	
1,1,2,2-Tetrachloroethane	47	47	0	9.32	1 J	3 J
Toluene	47	42	5	9.47	5 U	
Chlorobenzene	47	47	0	9.47	5 U	
Ethylbenzene	47	46	1	9.49	3 J	3 J
Styrene	47	47	0	9.47	5 U	
Total Xylenes	47	45	2	9.19	5 U	13.00 J

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=Analyzed but not detected, J=Present in Blank, E=Estimated Value
 Stations in this area: B217389, B217589, B218189, B218589, B218689, B218789, B319789, BH3987, BH4087, BH4187, BH4287, BH4387, BH4487,

**SOIL SAMPLING RESULTS
SUMMARY TABLES FOR TOTAL METALS**

Summary Table for Soil Boring Total Metal Contaminants
903 Pad Area

Results reported in mg/kg

Analyte	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	Maximum of Values
Aluminum (Al)	10	0	10	10670.00	4040	18900
Antimony (Sb)	10	10	0	5.0950	5.6 U	
Arsenic (As)	10	0	10	6.9080	2.5	17.8
Barium (Ba)	10	1	9	94.3785	.035	216
Beryllium (Be)	10	9	1	0.5720	0.94 U	1.140
Cadmium (Cd)	10	5	5	1.8830	0.94 U	5.4
Calcium (Ca)	10	0	10	26937.00	1600	79000
Cesium (Cs)	2	2	0	167.0000	200 U	
Chromium (Cr)	10	0	10	11.6840	3.64	20
Cobalt (Co)	10	9	1	4.4580	4 U	5.61
Copper (Cu)	10	3	7	8.3870	4.54 U	19.8
Iron (Fe)	10	0	10	10211.00	4020	18500
Lead (Pb)	10	0	10	8.9880	1.6	22.8
Lithium (Li)	5	4	1	8.5420	10 U	12.71
Magnesium (Mg)	10	0	10	2438.200	752	3700
Manganese (Mn)	10	0	10	236.8100	35	1080
Mercury (Hg)	10	8	2	0.0770	0.10 U	0.19
Molybdenum(Mo)	2	2	0	9.6750	18.7 U	
Nickel (Ni)	10	3	7	8.8525	5.45 U	16
Potassium (K)	10	3	7	1318.300	64.9	3020
Selenium (Se)	10	10	0	0.3950	.31 U	
Silver (Ag)	10	10	0	0.7635	.4 U	
Sodium (Na)	10	7	3	430.1000	175	427
Strontrium (Sr)	10	2	8	46.1820	5.32	87.6
Thallium (Tl)	10	10	0	0.7625	.44 U	
Tin (Sn)	2	2	0	9.6750	18.7 U	
Vanadium (V)	10	0	10	25.2520	9.32	50.5
Zinc (Zn)	10	0	10	29.8400	10.9	49

**Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=Analyzed but not detected, J=Present below Detection limit, B=Present in Blank, E=Estimated Value
 Stations in this area: BH15289, BH2387, BH2287, BH2487, BH2687, BH2787, BH3087

Summary Table for Soil Boring Total Metal Contaminants
Mound Area
Results reported in mg/kg

Analyte	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	Maximum of Values
Aluminum (Al)	8	0	8	11114.29	4720	23200
Antimony (Sb)	8	8	0	6.0000	12.00 U	
Arsenic (As)	8	0	8	8.4714	5.3	13
Barium (Ba)	8	0	8	72.2857	50	100
Beryllium (Be)	8	8	0	0.5000	1.00 U	
Cadmium (Cd)	8	2	6	1.9071	1.00 U	3.7
Calcium (Ca)	8	0	8	59621.43	7600	136000
Cesium (Cs)	0	0	0			
chromium (Cr)	8	2	6	6.7500	2.00 U	13
cobalt (Co)	8	8	0	5.0000	10.00 U	
copper (Cu)	8	4	4	4.6071	5.00 U	8.2
Iron (Fe)	8	0	8	11039.29	7130	18900
Lead (Pb)	8	0	8	6.1286	3.5	9.4
Lithium (Li)	0	0	0			
Magnesium (Mg)	8	0	8	2820.714	1440	5260
Manganese (Mn)	8	0	8	141.5714	78	230
Mercury (Hg)	8	7	1	0.0614	0.1 U	0.13
Molybdenum (Mo)	0	0	0			
Nickel (Ni)	8	2	6	9.0500	8.0	15
Potassium (K)	8	3	5	1044.286	1000 U	1750
Selenium (Se)	8	8	0	0.5000	1.00 U	
Silver (Ag)	8	8	0	1.0000	2.00 U	
Sodium (Na)	8	8	0	500.0000	1000 U	
Strontium (Sr)	8	0	8	48.5000	24	120
Thallium (Tl)	8	8	0	1.0000	2.00 U	
Tin (Sn)	0	0	0			
Vanadium (V)	8	0	8	19.1429	12	33
Zinc (Zn)	8	0	8	27.0714	12	46

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=Analyzed but not detected, J=Present below Detection limit, B=Present in Blank, E=Estimated Value
 Stations in this area: BH3287, BH3387, BH3587, BH3487, BH3387, BH3887, BH3887

**Summary Table for Soil Boring Total Metal Contaminants
East Trenches Area**

Analyte	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	Maximum of Values
Aluminum (Al)	44	0	44	9173.910	1650	25300
Antimony (Sb)	44	42	2	10.1625	11.6 U	15.3
Arsenic (As)	44	3	41	8.6093	1.7 U	30.8
Barium (Ba)	44	15	29	62.6699	40.00 U	154
Beryllium (Be)	44	39	5	0.5598	0.41 U	1.7
Cadmium (Cd)	44	20	24	1.7418	0.81 U	6.2
Calcium (Ca)	44	1	43	43932.30	1000.00 U	175000
Cesium (Cs)	11	11	0	172.5563	204 U	
Chromium (Cr)	44	2	42	10.7519	2.00 U	34
Cobalt (Co)	44	40	4	5.3391	4.1 U	12.8
Copper (Cu)	44	13	31	6.9833	5.00 U	27
Iron (Fe)	44	0	44	9992.404	1140	422700
Lead (Pb)	44	0	44	5.9426	1.2	45.6
Lithium (Li)	11	8	3	9.3063	5.3	7.0
Magnesium (Mg)	44	4	40	2207.686	1000.00 U	4950
Manganese (Mn)	44	0	44	144.7580	6.9	584
Mercury (Hg)	44	30	14	0.1013	0.080	0.33
Molybdenum(Mo)	11	11	0	21.1438	19.3 U	
Nickel (Ni)	44	16	28	11.5288	8.00 U	40
Potassium (K)	44	24	20	927.6923	891	4170
Selenium (Se)	44	43	1	0.7451	0.42 U	6.5
Silver (Ag)	44	44	0	1.1798	1.9 U	
Sodium (Na)	44	40	4	489.1769	60.5	1372
Strontium (Sr)	44	19	25	58.3147	16 J	279
Thallium (Tl)	44	44	0	1.0046	0.60 U	
Tin (Sn)	11	10	1	35.6719	20.6 U	29.1
Vanadium (V)	44	1	43	22.3532	10.4 U	51
Zinc (Zn)	44			30.9798	4.00 U	130

if result classifier is U, statistics are calculated using 0.5 the reported result.

The mean is first computed at individual stations and then averaged; the standard deviation is calculated using the following formula:

NS=0 Standard, Us=Analyzed but not detected, J=Present below Detection limit, B=Present in Blank, E=Estimated Value
Stations in this area: B217389, B217589, B218189, B218589, B218689, B218789, B219899, B319789, BH4087, BH4387, BH4487.

**SOIL SAMPLING RESULTS
SUMMARY TABLES FOR INORGANIC COMPOUNDS**

**Summary Table of Soil Boring Inorganic Contaminants
903 Pad Area**

Analyte	Number of Results		Number of Non-Detects		Number of Hits		Average of All Values**		Minimum of All Values		Maximum of Values	
	(pH units)	10	(mg/kg)	10	(mg/kg)	0	(mg/kg)	10	(mg/kg)	0	(mg/kg)	10
pH								8.2360		7.43		8.75
Sulfide	(mg/kg)	10	(mg/kg)	10	(mg/kg)	0	(mg/kg)	80.2000	(mg/kg)	2 U	(mg/kg)	
Cyanide, Total		8		5		3		4.3675		0.25 U		19.8
Oil and Grease	(mg/kg)	8	(mg/kg)	7	(mg/kg)	1	(mg/kg)	33.5750	(mg/kg)	1.7 U	(mg/kg)	261
Nitrate-Nitrite as N	(mg/kg)	2	(mg/kg)	0	(mg/kg)	2	(mg/kg)	2.4000	(mg/kg)	1.7	(mg/kg)	3.1

**Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS-No Standard, U=Analyzed but not detected, J=Present below Detection limit, B=Present in Blank, E=Estimated Value
 Stations in this area: BH15289, BH1889, BH2287, BH2387, BH2487, BH2687, BH2787, BH2887, BH3087

**Summary Table of Soil Boring Inorganic Contaminants
Mound Area**

Analyte	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	Maximum of Values
pH	8	0	8	8.9421	8.75	9.25
Sulfide	(pH units)	(mg/kg)				
Cyanide, Total	7	7	0	100.0000	200 U	
Oil and Grease	(mg/kg)	(mg/kg)				
Nitrate-Nitrite as N	8	3	0	1.1607	1.25 U	
	(mg/kg)	(mg/kg)				
	3	0	0	0.8500	1.7 U	
	0	0	0	*****		

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=Analyzed but not detected, J=Present below Detection Limit, B=Present in Blank, E=Estimated Value
 Stations in this area: BH3287, BH3387, BH3487, BH3587, BH3687, BH3787, BH3887

Summary Table of Soil Boring Inorganic Contaminants
East Trenches Area

Analyte	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	Maximum of Values
pH	45	0	45	8.0530	6.9	8.87
Sulfide	(mg/kg)	46	44	67.1389	20	4
Cyanide, Total	(mg/kg)	20	17	1.5771	2.5	3.33
Oil and Grease	(mg/kg)	14	11	2.4350	1.7	15.0
Nitrate-Nitrite as N	(mg/kg)	13	4	1.6667	1.0	4.3

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=Analyzed but not detected, J=Present below Detection Limit, B=Present in Blank, E=Estimated Value
 Stations in this area: B215389, B217389, B218189, B218589, B217589, B218789, B218989, B319789, BH3987, BH4087, BH4187, BH4287, BH4387,
 BH4487, BH4587, BH4687, BH4787, BH4887, BH4987, BH5087, BH5187, BH5287, BH5387, BH5487, BH5587, BH5687

APPENDIX B

GROUND-WATER SAMPLING RESULTS

**SUBSURFACE IM/IRA
OPERABLE UNIT NO. 2**

APPENDIX B-1

**GROUND-WATER SAMPLING RESULTS
RAW DATA**

**SUBSURFACE IM/IRA
OPERABLE UNIT NO. 2**

**GROUND-WATER SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS**

**Ground Water Volatile Organic Results
903 Pad Area
Results reported in ug/l**

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachlorethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	cis-1,3-Dichloro-1,2-propene	trans-1,2-Dichloro-1,3-propene	trans-1,3-Dichloro-1,2-propene	2-Chloroethyl chloroethene	2-Chloroethyl vinyl ether
0171	—AUG-86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0171	09-MAR-87	4		4	4	12	4 U	38					
0171	30-APR-87	4 U		4 U	4 U	22	24	4 U					
0171	01-MAY-87	4 U		4 U	4 U	22	24	4 U					
0171	21-MAY-87	4 U		4 U	4 U	4 U	400	4 U					
0171	02-JUL-87	2892		4 U	4 U	535	4 U	346					
0171	14-OCT-87	5 U		5 U	5 U	13	5 U	5 U					
0171	26-FEB-88	5 U		5 U	5 U	12	5 U	5 U					
0171	18-APR-88	192		5 U	5 U	7	5 U	5 U					
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroethene
0171	—AUG-86	10 U	10 U	10 U	26 B	5 U	5 U	5 U	10 U	3 J	1600	5 U	10 U
0171	09-MAR-87										4800		
0171	30-APR-87										2300		
0171	01-MAY-87										2300		
0171	21-MAY-87										3000		
0171	02-JUL-87										1405		
0171	14-OCT-87										440		
0171	26-FEB-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U	
0171	18-APR-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U	
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethylbenzene	Methylene Chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride	Vinyl
0171	—AUG-86	180	10 U	5 U	5 U	15	5 U	65	5 U	50	350	10 U	10 U
0171	09-MAR-87	220								108		1120	
0171	30-APR-87	18								800		1200	
0171	01-MAY-87	18								108		1200	
0171	21-MAY-87	4 U								147		691	
0171	02-JUL-87	1525								132		222	
0171	14-OCT-87	612								100	5 U	326	
0171	26-FEB-88	634	10 U	5 U	5 U	14	5 U	5 U	111	5 U	5 U	10 U	
0171	18-APR-88	455	10 U	5 U	5 U					378	10 U	10 U	

U=Analyzed but not detected
A=Acceptable with qualifications

J=Present below detection limit
Y=Valid and acceptable

E=Estimated Value
R=Rejected
D=Diluted Sample

**Ground Water Volatile Organic Results
903 Pad Area**
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,3-Dichloropropane	trans-1,2-Dichloroethene	trans-1,3-Dichloroethene	2-Chloroethyl Vinyl Ether
0171	25-JUL-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0171	31-OCT-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0171	02-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0171	02-MAY-89	5 U	5 U	5 U	5 U	5 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0171	08-AUG-89	2 J	5 U	5 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0171	29-NOV-89	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
0171	23-FEB-90	2 J	5 U	5 U	5 U	5 U	5 U	5 U	28	5 U	5 U	5 U	5 U
0171	20-NOV-90	25 U	25 U	25 U	25 U	25 U	25 U	25 U	30	25 U	25 U	25 U	25 U
0171	17-APR-91	50 U	50 U	50 U	50 U	50 U	50 U	50 U	32 J	50 U	50 U	50 U	50 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Bromo methane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
0171	25-JUL-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	830	5 U	10 U
0171	31-OCT-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	790	5 U	10 U
0171	02-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	600	5 U	10 U
0171	02-MAY-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	690 J	5 U	10 U
0171	08-AUG-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	560	5 U	10 U
0171	29-NOV-89	200 U	200 U	200 U	200 U	100 U	100 U	100 U	200 U	100 U	3300	100 U	200 U
0171	23-FEB-90	10 U	10 U	10 U	7 J	5 U	5 U	5 U	10 U	2 J	1500	5 U	10 U
0171	20-NOV-90	50 U	50 U	50 U	50 U	25 U	25 U	25 U	50 U	25 U	860	25 U	50 U
0171	17-APR-91	100 U	100 U	100 U	100 U	50 U	50 U	50 U	100 U	50 U	1400	50 U	100 U
Well Number	Date Sampled	Chloroform	Chloro methane	Dibromoethylbenzene	Methylene Chloride	Styrene	Tetrachloroethene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride
0171	25-JUL-88	290	10 U	5 U	5 U	5 U	54	5 U	5 U	5 U	203	10 U	10 U
0171	31-OCT-88	50 U	10 U	5 U	8	5 U	110	5 U	5 U	5 U	290	10 U	10 U
0171	02-FEB-89	330	10 U	5 U	5 U	5 U	78	5 U	5 U	5 U	290	10 U	10 U
0171	02-MAY-89	200	10 U	5 U	5 U	5 U	69	5 U	5 U	5 U	230	10 U	10 U
0171	08-AUG-89	220	10 U	5 U	2 J	5 U	62	5 U	5 U	5 U	180	10 U	10 U
0171	29-NOV-89	170	200 U	100 U	93 JB	100 U	180	100 U	100 U	100 U	560	200 U	200 U
0171	23-FEB-90	150 B	10 U	5 U	8 B	5 U	98	5 U	5 U	5 U	360	10 U	10 U
0171	20-NOV-90	130	50 U	25 U	51 B	25 U	64	25 U	25 U	25 U	290	50 U	50 U
0171	17-APR-91	140	100 U	50 U	50 U	50 U	97	50 U	50 U	50 U	360	100 U	100 U

U=Analyzed but not detected
A=Acceptable with qualifications

J=Present below detection limit
V=Valid and acceptable

E=Estimated Value
R=Rejected

D=Diluted Sample

Ground Water Volatile Organic Results
933 Pad Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethene	cis-1,3-Dichloro-1,2-dihydrochloroprene	trans-1,2-Dichloro-1,2-dihydrochloroprene	2-Chloroethyl chloroethene
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Chloro benzene
Well Number	Date Sampled	26-FEB-88	10-U	140 U	140 U	45 BJ	72 U	72 U	140 U	Chloro ethane
0171	10-SEP-91	30 BJ	72 U	72 U	2 J	2 J	72 U	72 U	72 U	72 U
0271	-AUG-86	4 J	5 U	5 U	4 U	4 U	5 U	5 U	5 U	10 U
0271	11-MAR-87	4 U								
0271	09-APR-87	4 U								
0271	21-MAY-87	4 U								
0271	02-JUL-87	4 U								
0271	26-FEB-88	5 U	5 U	51	12	8	5 U	5 U	5 U	5 U
0271	20-APR-88	5 U	5 U	5 U	14	5 U	5 U	5 U	5 U	10 U
0271	25-JUL-88	5 U	5 U	5 U	21	5 U	5 U	5 U	5 U	10 U
0171	10-SEP-91	140 U	10 U	10 U	43 B	5 U	5 U	10 U	2 J	5 U
0271	-AUG-86	4 J	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U
0271	11-MAR-87	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	10 U
0271	09-APR-87									
0271	21-MAY-87									
0271	02-JUL-87									
0271	26-FEB-88	10 U	47	10 U	10 U	5 U	5 U	10 U	5 U	5 U
0271	20-APR-88	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U
0271	25-JUL-88	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U
0171	10-SEP-91	170	140 U	72 U	72 U	15 BJ	72 U	100	72 U	370
0271	-AUG-86	79	10 U	5 U	5 U	2 J	5 U	15	1 J	4500
0271	11-MAR-87	260						4		28800
0271	09-APR-87	400						1000		26000
0271	21-MAY-87	60								24800
0271	02-JUL-87	4 U								9440
0271	26-FEB-88	231	10 U	5 U	5 U	5 U	5 U	192		7750
0271	20-APR-88	227	10 U	5 U	5 U	5 U	30	5 U	5 U	6837
0271	25-JUL-88	276	10 U	5 U	5 U	5 U	57	5 U	5 U	8520

U=Analyzed but not detected
A=Acceptable with qualifications

J=Present below detection limit
V=Valid and acceptable

E=Estimated Value
R=Rejected

D=Diluted Sample

Ground Water Volatile Organic Results
903 Pad Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,3-Dichloroethene	trans-1,3-Dichloroethene	2-Chloroethyl Vinyl Ether
0271	31-OCT-88	26	5 U	9	28	10	5 U	5 U	5 U	5 U	5 U	10 U
0271	01-FEB-89	5 U	5 U	5 U	11	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0271	01-MAY-89	5 U	5 U	5 U	8	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0271	08-AUG-89	16	5 U	6	12	3 J	5 U	5 U	5 U	5 U	5 U	10 U
0271	30-NOV-89	120 U	120 U	120 U	120 U	120 U	120 U	120 U	120 U	120 U	120 U	250 U
0271	21-NOV-90	37	4 J	4 BJ	38	5	2 J	290 DJ	3 J	5 U	5 U	5 U
0271	19-APR-91	25 U	25 U	7 J	13 J	25 U	100	25 U	25 U	25 U	25 U	25 U
0271	10-SEP-91	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U
1187	17-FEB-88	277	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Carbon Tetrachloride	Chlorobenzene	Chloroethane
0271	31-OCT-88	10 U	10 U	10 U	10 U	2 J	5 U	5 U	10 U	5 U	5 U	10 U
0271	01-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
0271	01-MAY-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
0271	08-AUG-89	10 U	10 U	10 U	10 U	0.9 J	5 U	5 U	10 U	5 U	5 U	10 U
0271	30-NOV-89	250 U	250 U	250 U	250 U	120 U	120 U	120 U	250 U	120 U	120 U	250 U
0271	21-NOV-90	10 U	10 U	10 U	7 BJ	2 J	1 J	5 U	10 U	5 U	5 U	10 U
0271	19-APR-91	50 U	50 U	50 U	16 J	25 U	25 U	50 U	50 U	25 U	25 U	50 U
0271	10-SEP-91	500 U	500 U	500 U	500 U	250 U	250 U	500 U	500 U	250 U	250 U	500 U
1187	17-FEB-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	495	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethyl Benzene	Ethyl Chloride	Methylene Chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Chloride
0271	31-OCT-88	500 U	10 U	5 U	6	5 U	81	5 U	5 U	5 U	8200	10 U
0271	01-FEB-89	5 U	10 U	5 U	5 U	5 U	16	5 U	5 U	5 U	1200	10 U
0271	01-MAY-89	7	10 U	5 U	5 U	5 U	8	5 U	5 U	5 U	440	10 U
0271	08-AUG-89	160	10 U	5 U	1 J	5 U	27	5 U	5 U	5 U	4400	10 U
0271	30-NOV-89	120 U	250 U	120 U	61 JB	120 U	34 J	120 U	120 U	120 U	6600 E	250 U
0271	21-NOV-90	200 DJ	10 U	5 U	2 BJ	5 U	100	1 J	5 U	7500 D	10 U	10 U
0271	19-APR-91	58	50 U	25 U	25 U	25 U	33	25 U	25 U	2200 D	50 U	50 U
0271	10-SEP-91	120 J	500 U	250 U	110 BJ	250 U	250 U	250 U	250 U	5800	500 U	500 U
1187	17-FEB-88	129	10 U	5 U	5 U	5 U	20	5 U	5 U	824	10 U	10 U

U=Analyzed but not detected
A=Acceptable with qualifications
R=Rejected

J=Present below detection limit
V=Valid and acceptable
E=Estimated Value
R=Rejected Sample

Ground Water Volatile Organic Results
903 Pad Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloroethene	trans-1,3-Di chloropropene	2-Chloroethyl Vinyl Ether
1187	13-APR-88	301	5 U	5 U	4 J	5 U	5 U	5 U	5 U	5 U	10 U
1187	08-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1187	07-AUG-89	3 J	5 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U	10 U
1187	23-JAN-90	7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1187	15-JUN-90	4 J	5 U	5 U	4 J	5 U	8	5 U	5 U	5 U	5 U
1187	18-SEP-90	5	5 U	5 U	8	5 U	10	5 U	5 U	5 U	5 U
1187	28-NOV-90	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1187	15-JAN-91	5	5 U	5 U	12	5 U	18	5 U	5 U	5 U	5 U
1187	16-APR-91	5 U	5 U	5 U	12	5 U	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon Tetra chlорide	Chlorobenzene
1187	13-APR-88	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	436	5 U
1187	08-AUG-88	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	605	5 U
1187	07-AUG-89	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	270	5 U
1187	23-JAN-90	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	520	5 U
1187	15-JUN-90	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	670	5 U
1187	18-SEP-90	10 U	10 U	10 U	5 BU	5 U	10 U	5 U	5 U	1000 D	5 U
1187	28-NOV-90	150 B	100 U	100 U	50 U	50 U	100 U	50 U	50 U	660	50 U
1187	15-JAN-91	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	750 D	5 U
1187	16-APR-91	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	400 D	5 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloromethane	Ethyl Benzene	Methylene Chloride	Styrene	Tetrachloro ethene	Total Xylenes	Trichloro ethene	Vinyl Chloride
1187	13-APR-88	121	10 U	5 U	5 U	5 U	28	5 U	5 U	573	10 U
1187	08-AUG-88	129	10 U	5 U	5 U	5 U	26	5 U	5 U	1090	10 U
1187	07-AUG-89	88	10 U	5 U	5 U	5 U	18	5 U	0.8 J	560	10 U
1187	23-JAN-90	96	10 U	5 U	5 U	5 U	40	4 J	5 U	1200	10 U
1187	15-JUN-90	79	10 U	5 U	3 JB	5 U	32	5 U	5 U	1800	10 U
1187	18-SEP-90	92	10 U	5 U	9 B	5 U	46 B	1 J	5 U	2900 D	10 U
1187	28-NOV-90	86	100 U	50 U	50 U	50 U	41 J	50 U	50 U	1900	100 U
1187	15-JAN-91	96	10 U	5 U	1 J	5 U	62	5 U	5 U	2500 D	10 U
1187	16-APR-91	82	10 U	5 U	5 U	5 U	49	5 U	5 U	1400 D	10 U

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E=Estimated Value
 V=Valid and acceptable
 D=Diluted Sample

Ground Water Volatile Organic Results
903 Pad Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	2-Chloroethyl Vinyl Ether
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane
1187	06-SEP-91	27 JU	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	10 U
1287	31-AUG-87	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1287	25-FEB-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1287	20-APR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1287	25-JUL-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1287	14-NOV-89	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1287	24-JAN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1287	14-JUN-90	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1287	20-SEP-90	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1187	06-SEP-91	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
1287	31-AUG-87	10 U	5 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	10 U
1287	25-FEB-88	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	10 U
1287	20-APR-88	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	10 U
1287	25-JUL-88	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	10 U
1287	14-NOV-89	20 U	20 U	20 U	20 U	10 U	10 U	20 U	10 U	10 U	20 U
1287	24-JAN-90	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	10 U
1287	14-JUN-90	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	10 U
1287	20-SEP-90	20 U	20 U	20 U	5 BJ	10 U	10 U	20 U	10 U	9 J	10 U
1187	06-SEP-91	92 J	200 U	100 U	100 U	100 U	100 U	45 J	100 U	3300	200 U
1287	31-AUG-87	33	10 U	5 U	5 U	9	5 U	43	5 U	547	10 U
1287	25-FEB-88	17	10 U	5 U	5 U	5 U	5 U	34	5 U	751	10 U
1287	20-APR-88	17	10 U	5 U	5 U	5 U	5 U	57	5 U	528	10 U
1287	25-JUL-88	17	10 U	5 U	5 U	5 U	5 U	42	5 U	310	20 U
1287	14-NOV-89	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	360	10 U
1287	24-JAN-90	15	10 U	5 U	5 U	5 U	5 U	37	5 U	220	10 U
1287	14-JUN-90	9	10 U	5 U	2 JB	5 U	5 U	38	5 U	10 U	20 U
1287	20-SEP-90	8 J	20 U	10 U	10 U	10 U	10 U	28	10 U	170	20 U

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D=Diluted Sample

Ground Water Volatile Organic Results
903 Pad Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloro-1,1,1-trichloroethene	trans-1,3-Dichloro-1,1,1-trichloroethene	2-Chloroethyl Vinyl Ether	
1287	28-NOV-90	1 J	5 U	5 U	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U	
1287	15-JAN-91	1 J	5 U	5 U	5 U	5 U	5 U	5	5 U	5 U	5 U	5 U	
1287	09-SEP-91	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	
1487	31-AUG-87	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	
1487	29-FEB-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	
1487	08-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	
1487	26-OCT-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
1487	25-JAN-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
1487	24-APR-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
1287	28-NOV-90	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	12	5 U	10 U	10 U
1287	15-JAN-91	10 U	10 U	10 U	15 B	5 U	5 U	10 U	5 U	17	5 U	10 U	10 U
1287	09-SEP-91	33 U	33 U	33 U	33 U	17 U	17 U	33 U	17 U	17 U	17 U	33 U	33 U
1487	31-AUG-87										404		
1487	29-FEB-88	10 U	10 U	10 U	26	5 U	5 U	10 U	5 U	38	5 U	10 U	10 U
1487	08-AUG-88	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	110	5 U	10 U	10 U
1487	26-OCT-88	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	77	5 U	10 U	10 U
1487	25-JAN-89	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	150	5 U	10 U	10 U
1487	24-APR-89	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	160 J	5 U	10 U	10 U
Well Number	Date Sampled	Chloroform	Chloro methane	Dibromoethyl Benzene	Ethyl Chloride	Methylene	Styrene	Tetrachloro ethene	Toluene	Total Xylenes	Trichloro ethene	Vinyl Acetate	Vinyl Chloride
1287	28-NOV-90	10	10 U	5 U	5 U	5 U	5 U	32	5 U	5 U	330 D	10 U	10 U
1287	15-JAN-91	12	10 U	5 U	5 U	5 U	54	5 U	5 U	360 D	10 U	10 U	10 U
1287	09-SEP-91	10 J	33 U	17 U	17 U	15 BJ	17 U	27	17 U	17 U	560	33 U	33 U
1487	31-AUG-87	23									109		
1487	29-FEB-88	7	10 U	5 U	5 U	7	5 U	5 U	5 U	5 U	28	10 U	10 U
1487	08-AUG-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	54	10 U	10 U
1487	26-OCT-88	8 B	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	36	10 U	10 U
1487	25-JAN-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	54 J	10 U	10 U
1487	24-APR-89	16	10 U	5 U	5 U	6 U	4 J	5 U	5 U	5 U	68	10 U	10 U

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R=Rejected

**Ground Water Volatile Organic Results
903 Pad Area
Results reported in ug/l**

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloropropene	1,2-Chloroethyl chloroethene	2-Chloroethyl Vinyl Ether
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone pentanone	Benzene	Bromoform	Bromo methane	Carbon disulfide	Carbon Tetra chloride	Chlorobenzene	Chloro ethane
1487	02-AUG-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1487	28-NOV-89	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U
1487	14-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1487	18-SEP-90	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U
1487	20-NOV-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1487	11-JAN-91	1 J	5 U	5 U	5 U	3 J	5 U	2 J	5 U	5 U	5 U
1487	15-APR-91	5 U	5 U	5 U	5 U	1 J	5 U	1 J	5 U	5 U	5 U
1487	05-SEP-91	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1587	10-SEP-87	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1487	02-AUG-89	10 U	10 U	10 U	5 U	5 U	10 U	5 U	100	5 U	10 U
1487	28-NOV-89	20 U	20 U	20 U	10 U	10 U	20 U	10 U	450	10 U	20 U
1487	14-JUN-90	10 U	10 U	10 U	5 U	5 U	10 U	5 U	380	5 U	10 U
1487	18-SEP-90	20 U	20 U	20 U	11 BJ	10 U	20 U	10 U	130	10 U	20 U
1487	20-NOV-90	10 U	10 U	10 U	5 BJ	5 U	10 U	5 U	180	5 U	10 U
1487	11-JAN-91	10 U	10 U	10 U	14 B	5 U	5 U	10 U	430 D	5 U	10 U
1487	15-APR-91	10 U	10 U	10 U	5 U	5 U	10 U	5 U	300 D	5 U	10 U
1487	05-SEP-91	25 U	25 U	26	12 U	12 U	25 U	12 U	350	12 U	25 U
1587	10-SEP-87								4080		
1487	02-AUG-89	11	10 U	5 U	5 U	2 J	5 U	5 U	34	10 U	10 U
1487	28-NOV-89	36	20 U	10 U	7 JB	10 U	4 J	10 U	120	20 U	20 U
1487	14-JUN-90	38	10 U	5 U	5 B	5 U	7	2 J	170	10 U	10 U
1487	18-SEP-90	20	20 U	10 U	10 U	10 U	10 U	10 U	59	20 U	20 U
1487	20-NOV-90	12	10 U	5 U	1 BJ	5 U	2 J	5 U	54	10 U	10 U
1487	11-JAN-91	36	10 U	5 U	5 U	5 U	8	5 U	160 D	10 U	10 U
1487	15-APR-91	27	10 U	5 U	5 U	5 U	4 J	5 U	110	10 U	10 U
1487	05-SEP-91	31	25 U	12 U	8 BJ	12 U	4 J	12 U	120	25 U	25 U
1587	10-SEP-87	5 U							510		

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R=Rejected

Ground Water Volatile Organic Results
903 Pad Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	1,2-Dichloroopropane	cis-1,3-Dichloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloroethene	2-Chloroethyl Vinyl Ether
1587	29-FEB-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1587	20-APR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1587	01-MAY-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1587	02-AUG-89	2 J	5 U	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U	5 U	5 U
1587	24-JAN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1587	25-JUN-90	2 J	5 U	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U	5 U	5 U
1587	18-SEP-90	7	5 U	5 U	5 U	5 U	10	5 U	220 D	5 U	5 U	5 U	5 U
1587	27-NOV-90	6	5 U	4 J	5 U	5 U	8	5 U	140	5 U	5 U	5 U	5 U
1587	09-JAN-91	3 J	3 J	5 U	5 U	5 U	5	5 U	150	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Vinyl chloride
1587	29-FEB-88	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	1591	5 U	10 U	10 U
1587	20-APR-88	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	4305	5 U	10 U	10 U
1587	01-MAY-89	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	1100 J	5 U	10 U	10 U
1587	02-AUG-89	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	1200	5 U	10 U	10 U
1587	24-JAN-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	1400	5 U	10 U	10 U
1587	25-JUN-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2000	5 U	10 U	10 U
1587	18-SEP-90	4 BJ	10 U	10 U	2 BJ	5 U	5 U	10 U	5 U	6400 DE	5 U	10 U	10 U
1587	27-NOV-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	3700 D	5 U	10 U	10 U
1587	09-JAN-91	10 U	10 U	6 BJ	5 U	5 U	5 U	10 U	5 U	2500 D	5 U	10 U	10 U
Well Number	Date Sampled	Chloroform	Chloro methane	Dibromoethylbenzene	Methylene chloride	Styrene	Tetrachloro ethene	Toluene	Total xylenes	Trichloro ethene	Vinyl ethene	Vinyl Acetate	Vinyl Chloride
1587	29-FEB-88	35	10 U	5 U	5 U	8	5 U	212	5 U	5 U	96	10 U	10 U
1587	20-APR-88	42	10 U	5 U	5 U	5 U	782	5 U	5 U	269	10 U	10 U	10 U
1587	01-MAY-89	21	10 U	5 U	5 U	5 U	190	5 U	5 U	120	10 U	10 U	10 U
1587	02-AUG-89	36	10 U	5 U	5 U	5 U	200	5 U	5 U	110	10 U	10 U	10 U
1587	24-JAN-90	35	10 U	5 U	5 U	4 J	5 U	140	5 U	74	10 U	10 U	10 U
1587	25-JUN-90	31	10 U	5 U	5 U	4 J	5 U	300	5 U	140	10 U	10 U	10 U
1587	18-SEP-90	59	10 U	5 U	5 U	6 B	5 U	410 BE	5 U	230 D	10 U	10 U	10 U
1587	27-NOV-90	38	10 U	5 U	5 U	5 U	180 DJ	5 U	150	10 U	10 U	10 U	10 U
1587	09-JAN-91	56	10 U	5 U	5 U	3 J	5 U	220 D	5 U	160	10 U	10 U	10 U

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E=Estimated Value
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Ground Water Volatile Organic Results
903 Pad Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachlorethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichlorohoroprene	trans-1,2-Dichlorohoroprene	trans-1,3-Di chloro propene	2-Chloroethyl Vinyl Ether
1587	15-APR-91	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
1587	03-SEP-91	75 U	75 U	75 U	75 U	75 U	75 U	75 U	75 U	75 U	75 U	75 U
1687	10-SEP-87	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1687	29-FEB-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	20-APR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	09-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	31-OCT-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1687	07-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1687	01-MAY-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon Tetra chloride	Chloroethane
1587	15-APR-91	100 U	100 U	100 U	100 U	50 U	50 U	50 U	100 U	50 U	1100	50 U
1587	03-SEP-91	150 U	150 U	150 U	150 U	75 U	75 U	75 U	150 U	75 U	1600	75 U
1687	10-SEP-87	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U
1687	29-FEB-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U
1687	20-APR-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U
1687	09-AUG-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U
1687	31-OCT-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U
1687	07-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U
1687	01-MAY-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethylbenzene	Methylene Chloride	Styrene	Tetrachloroethene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Chloride
1587	15-APR-91	15 J	100 U	50 U	50 U	50 U	50 U	71	50 U	50 U	49 J	100 U
1587	03-SEP-91	19 J	150 U	75 U	75 U	75 U	75 U	160	75 U	75 U	81	150 U
1687	10-SEP-87	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1687	29-FEB-88	5 U	10 U	5 U	5 U	8	5 U	5 U	5 U	5 U	5 U	10 U
1687	20-APR-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	09-AUG-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	31-OCT-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	07-FEB-89	2 J	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	01-MAY-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U

U=Analyzed but not detected
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J=Present below detection limit
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D=Diluted Sample

E=Estimated Value
R=Rejected

Ground Water Volatile Organic Results
903 Pad Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloropropene	trans-1,3-Dichloropropene	2-Chloroethyl chloroethene	chloropropene	Vinyl Chloride
1687	02-AUG-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	06-NOV-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1687	17-MAR-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1687	26-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1687	18-SEP-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1687	28-NOV-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1687	09-JAN-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1687	16-APR-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1687	05-SEP-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon Tetra chloride	Chlorobenzene	Chloro ethane	Chloro ethene	Vinyl Chloride
1687	02-AUG-89	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	06-NOV-89	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	17-MAR-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	26-JUN-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	18-SEP-90	10 U	10 U	10 U	4 BJ	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	28-NOV-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	09-JAN-91	10 U	10 U	10 U	5 BJ	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	16-APR-91	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	05-SEP-91	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloro methane	Dibromo Ethyl oronethane Benzene	Methylene Chloride	Styrene	Tetrachloro ethene	Toluene	Total Xylenes	Trichloro ethene	Vinyl Acetate	Vinyl Acetate	Vinyl Chloride	Vinyl Chloride
1687	02-AUG-89	5 U	10 U	5 U	5 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	06-NOV-89	5 U	10 U	5 U	5 B	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	17-MAR-90	5 U	10 U	5 U	3 JB	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	26-JUN-90	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	18-SEP-90	5 U	10 U	5 U	5 B	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	28-NOV-90	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	09-JAN-91	5 U	10 U	5 U	5 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	16-APR-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1687	05-SEP-91	5 U	10 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U

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R=Rejected

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V=Valid and acceptable

E=Estimated Value
R=Rejected

D=Diluted Sample

Ground Water Volatile Organic Results
903 Pad Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,3-Dichloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	2-Chloroethyl Ether
2687	20-NOV-87	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Chlorobenzene	Chloroethane
2687	20-NOV-87	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethylbenzene	Methylene chloride	Styrene	Tetrachloroethene	Toluene	Total xylenes	Trichloroethene	Vinyl Acetate
2687	20-NOV-87	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U

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Ground Water Volatile Organic Results
Mound Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloroethene	cis-1,3-Dichloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloroethene	2-Chloropropene	Vinyl Ether
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroethane	Chloroethane
0174	-AUG-86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	100 U
0174	-NOV-86	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U
0174	11-MAR-87	16	4 U	4 U	18	4 U	15						
0174	22-MAY-87	4 U	4 U	4 U	4 U	4 U	20	4 U					
0174	23-JUL-87	4 U	4 U	4 U	90	4 U	4 U						
0174	03-MAR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0174	09-MAY-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0174	11-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0174	03-JAN-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0174	22-MAY-87												
0174	03-MAR-88	10 U	10 U	10 U	3 BJ	5 U	5 U	10 U	3 J	5 U	5 U	10 U	10 U
0174	09-MAY-88	100 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	50 U	100 U	100 U
0174	11-MAR-89	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	5 U	5 U	10 U	10 U
0174	22-MAY-87												
0174	23-JUL-87												
0174	03-MAR-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U	10 U
0174	09-MAY-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U	10 U
0174	11-AUG-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U	10 U
0174	03-JAN-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	4 U	5 U	10 U	10 U
0174	22-MAY-87												
0174	03-MAR-88	4 J	10 U	5 U	5 U	2 J	5 U	120000	2 J	5 U	7000	10 U	10 U
0174	09-MAY-88	50 U	100 U	50 U	50 U	50 J	50 U	24000	50 U	50 U	2400	100 U	100 U
0174	11-MAR-87	5											
0174	22-MAY-87	38											
0174	23-JUL-87	4 U											
0174	03-MAR-88	5 U	10 U	5 U	5 U	5 U	5 U	33600	5 U	5 U	4405	10 U	10 U
0174	09-MAY-88	5 U	10 U	5 U	5 U	5 U	5 U	32850	5 U	5 U	1800	10 U	10 U
0174	11-AUG-88	5 U	10 U	5 U	5 U	5 U	5 U	49600 U	5 U	5 U	1995	10 U	10 U
0174	03-JAN-89	6 B	10 U	5 U	5 U	4 JB	9	31000	5 JB	5 U	2200	10 U	10 U

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D=Diluted Sample

Ground Water Volatile Organic Results
Mound Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichlorohoroethene	trans-1,2-Dichlorochloroethene	trans-1,3-Dichlorovinyl Ether
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Carbon disulfide	Carbon tetraethane	Chlorobenzene
0174	02-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0174	04-MAY-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0174	10-AUG-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0174	17-NOV-89	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U
0174	09-FEB-90	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	5000 U
0174	05-MAY-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0174	15-NOV-90	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U
0174	10-MAY-91	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
0174	15-AUG-91	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U
0174	02-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	10 U
0174	04-MAY-89	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	10 U
0174	10-AUG-89	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	10 U
0174	17-NOV-89	2500 U	2500 U	2500 U	2500 U	1200 U	1200 U	2500 U	1200 U	1200 U	2500 U
0174	09-FEB-90	5000 U	5000 U	5000 U	5000 U	2500 U	2500 U	5000 U	2500 U	2500 U	5000 U
0174	05-MAY-90	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	10 U
0174	15-NOV-90	2500 U	2500 U	2500 U	2500 U	1200 U	1200 U	2500 U	1200 U	1200 U	2500 U
0174	10-MAY-91	1000 U	1000 U	1000 U	1000 U	500 U	500 U	1000 U	500 U	500 U	1000 U
0174	15-AUG-91	5000 U	5000 U	5000 U	8200 B	2500 U	2500 U	5000 U	2500 U	2500 U	5000 U
0174	02-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0174	04-MAY-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0174	10-AUG-89	2 J	10 U	5 U	5 U	5 U	5 U	44000	0.9 J	5 U	840
0174	17-NOV-89	1200 U	2500 U	1200 U	1200 U	1300 B	1200 U	47000	1200 U	1200 U	2400
0174	09-FEB-90	2500 U	5000 U	2500 U	2500 U	2500 U	2500 U	20000	2500 U	2500 U	1000 J
0174	05-MAY-90	5 U	10 U	5 U	19	5 U	39000	5 U	2800	10 U	10 U
0174	15-NOV-90	1200 U	2500 U	1200 U	4100 B	1200 U	37000 B	1200 U	2100	2500 U	2500 U
0174	10-MAY-91	500 U	1000 U	500 U	500 U	500 U	50000 D	500 U	2500	1000 U	1000 U
0174	15-AUG-91	2500 U	5000 U	2500 U	900 BJ	2500 U	84000	2500 U	7800	5000 U	5000 U

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Ground Water Volatile Organic Results
Mound Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachlorethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,3-Dichlorohoroethene	trans-1,2-Dichlorohoroethene	trans-1,3-Dichloroethylene	2-Chloropropene	Vinyl Ether
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Bromoform	Carbon Tetrachloride	Chlorobenzene	Chloroethane
1787	03-MAR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1787	09-MAY-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1787	15-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1787	03-JAN-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1787	07-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1787	03-MAY-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1787	01-NOV-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1787	29-JAN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1787	06-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1787	03-MAR-88	10 U	10 U	10 U	5 U	5 U	10 U	5 U	32	5 U	5 U	10 U
1787	09-MAY-88	10 U	10 U	10 U	5 U	5 U	10 U	5 U	80	5 U	5 U	10 U
1787	15-AUG-88	10 U	10 U	10 U	5 U	5 U	10 U	5 U	45	5 U	5 U	10 U
1787	03-JAN-89	10 U	10 U	10 U	5 U	5 U	10 U	5 U	77	5 U	5 U	10 U
1787	07-FEB-89	10 U	10 U	10 U	5 U	5 U	10 U	5 U	71	5 U	5 U	10 U
1787	03-MAY-89	10 U	10 U	10 U	5 U	5 U	10 U	5 U	47 J	5 U	5 U	10 U
1787	01-NOV-89	10 U	10 U	10 U	28	5 U	10 U	5 U	54	5 U	5 U	10 U
1787	29-JAN-90	10 U	10 U	10 U	5 U	5 U	10 U	5 U	50	5 U	5 U	10 U
1787	06-JUN-90	10 U	10 U	10 U	5 U	5 U	10 U	5 U	37	5 U	5 U	10 U
1787	03-MAR-88	17	10 U	5 U	5 U	5 U	111	5 U	5 U	14	10 U	10 U
1787	09-MAY-88	5 U	10 U	5 U	5 U	5 U	235	5 U	5 U	27	10 U	10 U
1787	15-AUG-88	5 U	10 U	5 U	5 U	5 U	99	5 U	5 U	12	10 U	10 U
1787	03-JAN-89	13 B	10 U	5 U	6 B	5 U	190	5 B	5 U	26	10 U	10 U
1787	07-FEB-89	5 U	10 U	5 U	5 U	5 U	140	5 U	5 U	21	10 U	10 U
1787	03-MAY-89	4 J	10 U	5 U	5 U	5 U	160	5 U	5 U	17	10 U	10 U
1787	01-NOV-89	5	10 U	5 U	16	5 U	4 J	5 U	5 U	5 U	10 U	10 U
1787	29-JAN-90	2 J	10 U	5 U	5 U	5 U	51	5 U	5 U	13	10 U	10 U
1787	06-JUN-90	5 U	10 U	5 U	2 J	5 U	46	5 U	5 U	8	10 U	10 U

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Ground Water Volatile Organic Results
Mound Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	cis-1,3-Dichloropropene	trans-1,2-Dichloropropene	trans-1,3-Dichloroethylene	2-Chloroethyl Vinyl Ether
1787	06-NOV-90	5 U	5 U	5 U	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U	5 U
1787	09-MAR-91	1 J	5 U	5 U	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U	5 U
1787	13-MAY-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1787	19-AUG-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1887	07-MAR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1887	05-MAY-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1887	15-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1887	03-JAN-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1887	07-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Bromoform	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane
1787	06-NOV-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	25	5 U	10 U	5 U
1787	09-MAR-91	10 U	10 U	10 U	2 BJ	5 U	5 U	10 U	5 U	24	5 U	10 U	5 U
1787	13-MAY-91	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	28	5 U	10 U	5 U
1787	19-AUG-91	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	27	5 U	10 U	5 U
1887	07-MAR-88	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U	10 U
1887	05-MAY-88	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U	10 U
1887	15-AUG-88	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U	10 U
1887	03-JAN-89	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U	10 U
1887	07-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethylbenzene	Methylene Chloride	Styrene	Tetrachloroethene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride
1787	06-NOV-90	5 U	10 U	5 U	5 U	5 U	29	5 U	5 U	5 U	6	10 U	10 U
1787	09-MAR-91	5 U	10 U	5 U	5 B	5 U	26	2 BJ	5 U	5 U	6	10 U	10 U
1787	13-MAY-91	5 U	10 U	5 U	5 U	5 U	25	5 U	5 U	7	10 U	10 U	10 U
1787	19-AUG-91	5 U	10 U	5 U	3 J	5 U	34	5 U	5 U	6	10 U	10 U	10 U
1887	07-MAR-88	29	10 U	5 U	5 U	5 U	16	5 U	5 U	5 U	0 U	10 U	10 U
1887	05-MAY-88	12	10 U	5 U	5 U	5 U	32	5 U	5 U	5 U	0 U	10 U	10 U
1887	15-AUG-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U
1887	03-JAN-89	4 JB	10 U	5 U	5 B	5 U	5 B	5 U	5 U	5 U	10 U	10 U	10 U
1887	07-FEB-89	2 J	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U

U=Analyzed but not detected
A=Acceptable with qualifications

J=Present below detection limit
V=Valid and acceptable

E=Estimated Value
R=Rejected
D=Diluted Sample

Ground Water Volatile Organic Results
Mound Area
Results reported in ug/l

U=Analyzed but not detected
A=Acceptable with qualifications

J=Present below detection limit
Y=Yield and acceptable

D=Diluted Sample
E=Estimated Value
R=Rejected

Ground Water Volatile Organic Results
Mound Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloroethene	trans-1,3-Di chloropropene	2-Chloroethyl vinyl ether
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-pentanone	Benzene	Bromodichloromethane	Bromoform	Bromotrichloromethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Vinyl chloride
Well Number	Date Sampled	chloroform	chloromethane	dibromoethylbenzene	methylene chloride	styrene	tetrachloroethene	toluene	xylenes	trichloroethene	vinyl acetate	vinyl chloride	
1887	20-AUG-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1887	22-MAY-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1887	25-JUL-90	13 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
1887	15-AUG-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2087	03-MAR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2087	09-MAY-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2087	11-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2087	08-NOV-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2087	07-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1887	20-AUG-91	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
1887	22-MAY-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
1887	25-JUL-90	50 U	50 U	50 U	50 U	25 U	25 U	25 U	50 U	25 U	25 U	25 U	50 U
1887	15-AUG-91	10 U	10 U	10 U	10 U	16 B	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2087	03-MAR-88	10 U	10 U	10 U	10 U	13	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2087	09-MAY-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2087	11-AUG-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2087	08-NOV-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2087	07-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
1887	20-AUG-91	5 U	10 U	5 U	1 BJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
1887	22-MAY-90	5 U	10 U	5 U	14	5 U	790	5 U	5 U	70	10 U	10 U	10 U
1887	25-JUL-90	25 U	50 U	25 U	40 B	25 U	860	25 U	25 U	58	50 U	50 U	50 U
1887	15-AUG-91	5 U	10 U	5 U	5 U	5 U	880 D	5 U	5 U	110	10 U	10 U	10 U
2087	03-MAR-88	5 U	10 U	5 U	5 U	5 U	70	5 U	5 U	5 U	10 U	10 U	10 U
2087	09-MAY-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U
2087	11-AUG-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U
2087	08-NOV-88	5 U	10 U	5 U	5 U	5 U	3 J	5 U	5 U	5 U	10 U	10 U	10 U
2087	07-FEB-89	5 U	10 U	5 U	5 U	5 U	3 J	5 U	5 U	5 U	10 U	10 U	10 U

U=Analyzed but not detected
A=Acceptable with qualifications

J=Present below detection limit
V=Valid and acceptable

D=Diluted Sample

E=Estimated Value
R=Rejected

Ground Water Volatile Organic Results
Mound Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,3-Dichloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	2-Chloroethyl Ether
2087	03-MAY-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2087	09-AUG-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2087	13-DEC-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2087	09-FEB-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2087	22-MAY-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2087	27-JUL-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2087	08-NOV-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2087	19-MAR-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2087	10-MAY-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-pentanone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroethane
2087	03-MAY-89	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
2087	09-AUG-89	10 U	10 U	10 U	19	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
2087	13-DEC-89	10 U	10 U	10 U	22	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
2087	09-FEB-90	10 U	10 U	10 U	6 J	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
2087	22-MAY-90	10 U	10 U	10 U	9 JB	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
2087	27-JUL-90	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
2087	08-NOV-90	10 U	10 U	10 U	4 J	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
2087	19-MAR-91	10 U	10 U	10 U	3 J	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
2087	10-MAY-91	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethylbenzene	Methylene Chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride	Vinyl Chloride
2087	03-MAY-89	5 U	10 U	5 U	5 U	5 U	370E	5 U	5 U	5 U	3 J	3 J	10 U
2087	09-AUG-89	5 U	10 U	5 U	5 U	5 U	140	5 U	5 U	5 U	5 U	5 U	10 U
2087	13-DEC-89	5 U	10 U	5 U	11	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2087	09-FEB-90	5 U	10 U	5 U	3 J	5 U	39	5 U	5 U	5 U	2 J	2 J	10 U
2087	22-MAY-90	5 U	10 U	5 U	6 B	5 U	1 J	5 U	5 U	5 U	5 U	5 U	10 U
2087	27-JUL-90	5 U	10 U	5 U	4 BJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2087	08-NOV-90	5 U	10 U	5 U	5 U	5 U	11	5 U	5 U	5 U	5 U	5 U	10 U
2087	19-MAR-91	5 U	10 U	5 U	5 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U	10 U
2087	10-MAY-91	5 U	10 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U

U=Analyzed but not detected
A=Acceptable with qualifications

J=Present below detection limit
V=Valid and acceptable

E=Estimated Value
R=Rejected
D=Diluted Sample

Ground Water Volatile Organic Results
Mound Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloroethene	cis-1,3-Dichloro-1,4-propene	trans-1,2-Dichloro-1,3-propene	trans-1,3-Dichloro-1,4-propene	2-Chloroethyl chloroethene
2087	15-AUG-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2387	10-SEP-87	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2387	02-MAR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2387	09-MAY-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2387	10-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2387	03-JAN-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2387	07-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2387	03-MAY-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2387	07-AUG-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Carbon Tetraethane	Chlorobenzene	Chloroethane	Chloroethene
2087	15-AUG-91	10 U	10 U	10 U	18 B	5 U	5 U	5 U	10 U	5 U	5 U	5 U
2387	10-SEP-87	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2387	02-MAR-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2387	09-MAY-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2387	10-AUG-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2387	03-JAN-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2387	07-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2387	03-MAY-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2387	07-AUG-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethylbenzene	Methylene Chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride
2087	15-AUG-91	5 U	10 U	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U	10 U
2387	10-SEP-87	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2387	02-MAR-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2387	09-MAY-88	5 U	10 U	5 U	5 U	5 U	19	5 U	5 U	5 U	5 U	10 U
2387	10-AUG-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2387	03-JAN-89	3 JB	10 U	5 U	5 U	6 B	5 U	3 J	5 B	5 U	5 U	10 U
2387	07-FEB-89	2 J	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2387	03-MAY-89	5 U	10 U	5 U	5 U	5 U	74	5 U	5 U	5 U	5 U	10 U
2387	07-AUG-89	5 U	10 U	5 U	5 U	5 U	1 J	5 U	5 U	5 U	5 U	10 U

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A=Acceptable with qualifications

J=Present below detection limit
V=Valid and acceptable

E=Estimated Value
R=Rejected
D=Diluted Sample

Ground Water Volatile Organic Results
Mound Area

Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,3-Dichloroethane	trans-1,2-Dichloroethane	trans-1,3-Dichloropropene	2-Chloroethyl Vinyl Ether
2387	04-DEC-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2387	20-FEB-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2387	01-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2387	09-NOV-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2387	08-MAR-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2387	19-APR-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2387	19-AUG-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4386	11-MAR-87	4 U										
4386	03-JUN-87	4 U										
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone pentanone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon Tetra chloroethane	Chlorobenzene	Chloro ethane
2387	04-DEC-89	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2387	20-FEB-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2387	01-JUN-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2387	09-NOV-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2387	08-MAR-91	10 U	10 U	4 J	24 B	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2387	19-APR-91	6 J	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2387	19-AUG-91	10 U	10 U	10 U	4 BJ	5 U	5 U	10 U	5 U	5 U	5 U	10 U
4386	11-MAR-87											
4386	03-JUN-87											
Well Number	Date Sampled	Chloroform	Chloro methane	Dibromochloro Ethyl oronmethane Benzene	Methylene Chloride	Styrene	Tetra chloro oethene	Toluene	Total Xylenes	Trichloro ethene	Vinyl Acetate	Vinyl Chloride
2387	04-DEC-89	5 U	10 U	5 U	5 U	2 JB	5 U	5 U	5 U	5 U	5 U	10 U
2387	20-FEB-90	5 U	10 U	5 U	5 U	3 JB	5 U	1 J	5 U	5 U	5 U	10 U
2387	01-JUN-90	5 U	10 U	5 U	5 U	2 JB	5 U	5 U	5 U	5 U	5 U	10 U
2387	09-NOV-90	5 U	10 U	5 U	5 U	5 U	5 U	1 J	5 U	5 U	5 U	10 U
2387	08-MAR-91	5 U	10 U	5 U	5 U	2 BJ	5 U	1 J	5 U	5 U	5 U	10 U
2387	19-APR-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J	10 U
2387	19-AUG-91	5 U	10 U	5 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U	10 U
4386	11-MAR-87	4 U										
4386	03-JUN-87	4 U										

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E=Estimated Value
R=Rejected

D=Diluted Sample

Ground Water Volatile Organic Results
Mound Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	trans-1,2-Dichloroethene	2-Chloroethyl chloroethene	2-Chloropropene Vinyl Ether
4386	26-AUG-87	5 U		5 U		5 U		5 U		5 U		5 U	
4386	05-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
4386	20-AUG-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon Tetra chloride	Chlorobenzene	Chloroethane	Ethane
4386	26-AUG-87												
4386	05-JUN-90	10 U	10 U	10 U	29 B	5 U	5 U	5 U	10 U	5 U	2 J	5 U	10 U
4386	20-AUG-91	10 U	10 U	10 U	4 BJ	5 U	5 U	5 U	10 U	5 U	3 J	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloromethane	Benzene	Methylene Chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride
4386	26-AUG-87	5 U											
4386	05-JUN-90	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	
4386	20-AUG-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	

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A=Acceptable with qualifications
J=Present below detection limit
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E=Estimated Value
R=Rejected
D=Diluted Sample

Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	cis-1,3-Dichloropropene	trans-1,2-Dichloropropene	trans-1,3-Dichloropropene	2-Chloroethyl chloroethene	chloropropene	vinyl ether
Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	cis-1,3-Dichloropropene	trans-1,2-Dichloropropene	trans-1,3-Dichloropropene	2-Chloroethyl chloroethene	chloropropene	vinyl ether
0286	11-MAY-87	4 U		4 U		4 U	4 U	4 U				5 U		
0286	01-JUN-87	4 U		4 U		4 U	4 U	4 U				5 U		
0286	20-JUL-87	4 U		4 U		4 U	4 U	4 U				5 U		
0286	31-MAR-88	5 U		5 U		5 U	5 U	5 U				5 U		
0286	02-JUN-88	5 U		5 U		5 U	5 U	5 U				5 U		
0286	26-JUN-89	5 U		5 U		5 U	5 U	5 U				5 U		
0286	30-JUN-89	9		5 U		5 U	5 U	5 U				5 U		
0286	11-JUL-89	5 U		5 U		5 U	5 U	5 U				5 U		
0286	03-AUG-89	5 U		5 U		5 U	5 U	5 U				5 U		
0286	11-MAY-87													
0286	01-JUN-87													
0286	20-JUL-87													
0286	31-MAR-88	10 U		10 U		10 U	5 U	5 U				5 U		
0286	02-JUN-88	10 U		10 U		10 U	5 U	5 U				5 U		
0286	26-JUN-89	10 U		10 U		10 U	5 U	5 U				5 U		
0286	30-JUN-89	10 U		10 U		10 U	2 J	5 U				5 U		
0286	11-JUL-89	10 U		10 U		10 U	5 U	5 U				5 U		
0286	03-AUG-89	10 U		10 U		10 U	17 B	5 U				5 U		
0286	11-MAY-87													
0286	01-JUN-87													
0286	20-JUL-87													
0286	31-MAR-88													
0286	02-JUN-88													
0286	26-JUN-89													
0286	30-JUN-89													
0286	11-JUL-89													
0286	03-AUG-89													
0286	11-MAY-87													
0286	01-JUN-87													
0286	20-JUL-87													
0286	31-MAR-88													
0286	02-JUN-88													
0286	26-JUN-89													
0286	30-JUN-89													
0286	11-JUL-89													
0286	03-AUG-89													

U=Analyzed but not detected
A=Acceptable with qualifications

J=Present below detection limit
Y=Valid and acceptable

E=Estimated Value
R=Rejected
D=Diluted Sample

Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropane	trans-1,2-Dichloroethene	trans-1,3-Dichloropropane	2-Chloroethyl chloropropene Vinyl Ether
0286	18-DEC-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0286	19-MAR-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0286	07-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0286	06-SEP-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0286	15-NOV-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0286	19-JUN-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0286	11-SEP-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0286	-AUG-86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0374	17-MAR-87	10	4 U	4 U	8	4 U	5	5 U	5 U	5 U	2 J	5 U	1200
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromo-methane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
0286	18-DEC-89	10 U	10 U	10 U	10 U	19	5 U	5 U	10 U	5 U	5 U	5 U	10 U
0286	19-MAR-90	10 U	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
0286	07-JUN-90	10 U	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
0286	06-SEP-90	10 U	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
0286	15-NOV-90	10 U	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
0286	19-JUN-91	10 U	10 U	10 U	10 U	4 BJ	5 U	5 U	10 U	5 U	5 U	5 U	10 U
0286	11-SEP-91	10 U	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
0374	-AUG-86	10 U	10 U	10 U	4 J	5 U	5 U	5 U	10 U	2 J	280	5 U	1200
0374	17-MAR-87												
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethylbenzene	Ethyl chloride	Methylene chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride
0286	18-DEC-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0286	19-MAR-90	5 U	10 U	5 U	5 U	3 JB	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0286	07-JUN-90	5 U	10 U	5 U	5 U	3 JB	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0286	06-SEP-90	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0286	15-NOV-90	5 U	10 U	5 U	5 U	1 BJ	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0286	19-JUN-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0286	11-SEP-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0374	-AUG-86	19	10 U	5 U	4 J	5 U	450	5 U	5 U	5 U	240	5 U	200
0374	17-MAR-87	35											

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropane	trans-1,2-Dichloroethene	trans-1,3-Dichloroethene	2-Chloropropene	Vinyl Ether
0374	03-JUN-87	4 U		4 U			32	120	4 U		5 U	5 U	5 U	10 U
0374	03-SEP-87	22		5 U		5 U	22	5 U	5 U		5 U	5 U	5 U	10 U
0374	03-MAR-88	25		5 U		5 U	5 U	5 U	5 U		5 U	5 U	5 U	10 U
0374	04-MAY-88	5 U		5 U		5 U	5 U	5 U	5 U		5 U	5 U	5 U	10 U
0374	19-AUG-88	5		5 U		5 U	5 U	5 U	5 U		5 U	5 U	5 U	10 U
0374	10-NOV-88	5 U		5 U		5 U	5 U	5 U	5 U		5 U	5 U	5 U	10 U
0374	08-MAY-89	5 U		5 U		5 U	5 U	5 U	5 U		5 U	5 U	5 U	10 U
0374	21-AUG-89	5 U		5 U		5 U	2 J	5 U	5 U		5 U	5 U	5 U	10 U
0374	11-SEP-89	4 J		5 U		5 U	3 J	5 U	5 U		5 U	5 U	5 U	10 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon Tetra chloride	Chlorobenzene	Chloro ethane	Chloro ethene	Vinyl Chloride
0374	03-JUN-87			pentanone										1200
0374	03-SEP-87													1885
0374	03-MAR-88	10 U		10 U		5 U		5 U		5 U	10 U	5 U	5 U	10 U
0374	04-MAY-88	10 U		10 U		5 U		5 U		5 U	10 U	5 U	5 U	10 U
0374	19-AUG-88	10 U		10 U		5 U		5 U		5 U	10 U	5 U	5 U	10 U
0374	10-NOV-88	10 U		10 U		5 U		5 U		5 U	10 U	5 U	5 U	10 U
0374	08-MAY-89	10 U		10 U		5 U		5 U		5 U	10 U	5 U	5 U	10 U
0374	21-AUG-89	10 U		10 U		5 U		5 U		5 U	10 U	5 U	5 U	10 U
0374	11-SEP-89	10 U		10 U		5 U		5 U		5 U	10 U	5 U	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethyl benzene	Methylene chloride	Styrene	Tetrachloroethane	Toluene	Total xylenes	Trichloroethene	Vinyl ethene	Vinyl Acetate	Vinyl Chloride	Vinyl Ether
0374	03-JUN-87	6							1080					400
0374	03-SEP-87	45							345					218
0374	03-MAR-88	20		10 U		5 U		5 U	103					10 U
0374	04-MAY-88	5 U		10 U		5 U		5 U	103					10 U
0374	19-AUG-88	5 U		10 U		5 U		5 U	118					49
0374	10-NOV-88	10		10 U		5 U		5 U	100					812
0374	08-MAY-89	11 J		10 U		5 U		5 U	50					25
0374	21-AUG-89	14		10 U		5 U		5 U	75					31
0374	11-SEP-89	18		10 U		5 U		5 U	110					58

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloroethene	cis-1,3-Dichloroethane	trans-1,2-Dichloroethene	trans-1,3-Dichloroethene	2-Chloropropane	Vinyl Ether
0374	25-MAY-90	5	5 U	5 U	5 U	5 U	5 U	12	5 U	5 U	5 U	5 U	5 U
0374	01-AUG-90	4 J	2 J	5 U	3 J	5 U	8	5 U	5 U	5 U	5 U	5 U	5 U
0374	16-NOV-90	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0374	24-APR-91	5 U	5 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0374	22-AUG-91	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U
0386	-SEP-86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0386	12-MAY-87	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
0386	08-JUN-87	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
0386	24-JUL-87	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone pentanone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroethane
0374	25-MAY-90	10 U	10 U	10 U	8 J	5 U	5 U	5 U	10 U	5 U	650	5 U	10 U
0374	01-AUG-90	10 U	10 U	10 U	8 BJ	5 U	5 U	5 U	10 U	5 U	420 D	5 U	10 U
0374	16-NOV-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	640 D	5 U	10 U
0374	24-APR-91	10 U	10 U	10 U	2 J	5 U	5 U	5 U	10 U	5 U	160	5 U	10 U
0374	22-AUG-91	20 U	20 U	20 U	20 U	10 U	10 U	10 U	20 U	10 U	230	10 U	20 U
0386	-SEP-86	10 U	10 U	10 U	8 BJ	5 U	5 U	5 U	10 U	3 J	5 U	5 U	10 U
0386	12-MAY-87	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
0386	08-JUN-87	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
0386	24-JUL-87	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloromethane	Ethylbenzene	Methylene Chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride
0374	25-MAY-90	21	10 U	5 U	5 U	6	5 U	160	5 U	5 U	85	10 U	10 U
0374	01-AUG-90	14	10 U	5 U	5 U	3 J	5 U	100	5 U	5 U	59	10 U	10 U
0374	16-NOV-90	15	10 U	5 U	5 U	5 U	5 U	140	5 U	5 U	73	10 U	10 U
0374	24-APR-91	11	10 U	5 U	5 U	5 U	5 U	36	5 U	5 U	20	10 U	10 U
0374	22-AUG-91	11	20 U	10 U	10 U	10 U	53	10 U	10 U	10 U	32	20 U	20 U
0386	-SEP-86	5 U	10 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0386	12-MAY-87	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
0386	08-JUN-87	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
0386	24-JUL-87	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloropropene	trans-1,3-Dichloroethyl Ether
0386	14-DEC-87	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0386	31-MAR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0386	02-JUN-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0386	05-OCT-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0386	21-DEC-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0386	29-MAR-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0386	26-JUN-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0386	29-JUN-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0386	12-JUL-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon tetrachloride	Chloro benzene
0386	14-DEC-87	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
0386	31-MAR-88	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
0386	02-JUN-88	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
0386	05-OCT-88	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
0386	21-DEC-88	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
0386	29-MAR-89	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
0386	26-JUN-89	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
0386	29-JUN-89	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
0386	12-JUL-89	10 U	1 JB	10 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloroethane	Benzene	Methylene chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Vinyl Chloride
0386	14-DEC-87	5 U	10 U	5 U	5 U	13.00	5 U	5 U	5 U	5 U	5 U
0386	31-MAR-88	5 U	10 U	5 U	5 U	24	5 U	5 U	5 U	5 U	5 U
0386	02-JUN-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0386	05-OCT-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0386	21-DEC-88	2 JB	10 U	5 U	4 JB	5 U	4 JB	5 U	5 U	5 U	5 U
0386	29-MAR-89	5 U	10 U	5 U	5 U	7 U	5 U	5 U	5 U	5 U	5 U
0386	26-JUN-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0386	29-JUN-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0386	12-JUL-89	5 U	10 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U	5 U

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	2-Chloroethyl chloroethene	2-Chloropropene Vinyl Ether
0386	02-AUG-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0386	18-DEC-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0386	23-MAR-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0386	08-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0386	06-SEP-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0386	15-NOV-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0386	14-MAR-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0386	20-JUN-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0774	-AUG-86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon tetra chloride	Chlorobenzene	Chloro ethane	Chloro ethane
0386	02-AUG-89	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
0386	18-DEC-89	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
0386	23-MAR-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
0386	08-JUN-90	10 U	10 U	10 U	6 JB	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
0386	06-SEP-90	10 U	10 U	10 U	8 BJ	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
0386	15-NOV-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
0386	14-MAR-91	10 U	10 U	10 U	14 B	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
0386	20-JUN-91	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
0774	-AUG-86	10 U	10 U	10 U	5 U	5 U	5 U	10 U	3 BJ	5 U	5 U	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethyl Benzene	Methylene Chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Ethene	Vinyl Acetate	Vinyl Chloride
0386	02-AUG-89	5 U	10 U	5 U	6 B	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0386	18-DEC-89	5 U	10 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0386	23-MAR-90	5 U	10 U	5 U	4 JB	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0386	08-JUN-90	5 U	10 U	5 U	2 JB	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0386	06-SEP-90	5 U	10 U	5 U	8 B	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0386	15-NOV-90	5 U	10 U	5 U	2 BJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0386	14-MAR-91	5 U	10 U	5 U	16	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0386	20-JUN-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
0774	-AUG-86	5 U	10 U	5 U	7	5 U	16	5 U	5 U	5 U	5 U	5 U	10 U

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloroethene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	trans-1,2-Dichloroethylene	2-Chloroethyl chloroethene
0774	07-MAY-87	4 U		4 U		4 U	4 U	4 U	5 U	5 U	5 U	10 U
0774	28-MAY-87	4 U		4 U		4 U	6	4 U				
0774	08-SEP-87	5 U		5 U		5 U	5 U	5 U				
2274	-SEP-86	5 U		5 U		5 U	5 U	5 U				
2274	13-MAR-87	4 U		4 U		4 U	24	4 U				
2274	01-DEC-89	5 U		5 U		5 U	5 U	2 J	5 U	5 U	5 U	
2274	17-MAR-90	5 U		5 U		5 U	5 U	5 U	5 U	5 U	5 U	
2274	21-JUN-90	5 U		5 U		5 U	5 U	2 J	5 U	5 U	5 U	
2274	20-SEP-90	5 U		5 U		5 U	5 U	2 J	5 U	5 U	5 U	
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
0774	07-MAY-87											4 U
0774	28-MAY-87											4 U
0774	08-SEP-87											150
2274	-SEP-86	10 U		10 U	3 JB	5 U	5 U	10 U	5 U	23	5 U	10 U
2274	13-MAR-87											
2274	01-DEC-89	10 U		10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2274	17-MAR-90	10 U		10 U	10 U	5 U	5 U	10 U	5 U	58	5 U	10 U
2274	21-JUN-90	10 U		10 U	10 U	5 U	5 U	10 U	5 U	32	5 U	10 U
2274	20-SEP-90	5 BJ	10 U	10 U	3 BJ	5 U	5 U	10 U	5 U	120	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethylbenzene	Methylene Chloride	Styrene	Tetraethylbenzene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride
0774	07-MAY-87	4 U							4 U			4 U
0774	28-MAY-87	4 U							16			4 U
0774	08-SEP-87	7		10 U	5 U	5 U	3 J	5 U	36			16
2274	-SEP-86	5 U		10 U					6	5 U	7	10 U
2274	13-MAR-87	12							92		32	
2274	01-DEC-89	28	10 U	5 U	5 U	4 JB	5 U	19	5 U	5 U	5 U	10 U
2274	17-MAR-90	14	10 U	5 U	5 U	5 U	5 U	14	5 U	5 U	13	10 U
2274	21-JUN-90	15	10 U	5 U	5 U	2 JB	5 U	14	5 U	5 U	9	10 U
2274	20-SEP-90	17	10 U	5 U	5 U	3 BJ	5 U	22	5 U	5 U	16	10 U

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 D=Diluted Sample

Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethene	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloroethene	trans-1,3-Dichloroethene	2-Chloroethyl chloropropene	2-Chloroethyl vinyl ether
2274	03-NOV-90	5 U	5 U	5 U	5 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U
2274	23-MAY-91	5 U	5 U	5 U	5 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U
2274	09-SEP-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2487	07-JUN-90	40	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2587	10-SEP-87	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2587	03-MAR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2587	12-MAY-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2587	16-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2587	10-NOV-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
2274	03-NOV-90	10 U	10 U	10 U	5 U	5 U	10 U	5 U	100	5 U	5 U	10 U
2274	23-MAY-91	10 U	10 U	10 U	5 U	5 U	10 U	5 U	34	5 U	5 U	10 U
2274	09-SEP-91	10 U	10 U	10 U	5 U	5 U	10 U	5 U	91	5 U	5 U	10 U
2487	07-JUN-90	10 U	10 U	10 U	1 JB	5 U	10 U	5 U	5 U	5 U	5 U	10 U
2587	10-SEP-87	10 U	10 U	10 U	5 U	5 U	10 U	5 U	61	5 U	5 U	10 U
2587	03-MAR-88	10 U	10 U	10 U	5 U	5 U	10 U	5 U	110	5 U	5 U	10 U
2587	12-MAY-88	10 U	10 U	10 U	5 U	5 U	10 U	5 U	160	5 U	5 U	10 U
2587	16-AUG-88	10 U	10 U	10 U	5 U	5 U	10 U	5 U	121	5 U	5 U	10 U
2587	10-NOV-88	10 U	10 U	10 U	5 U	5 U	10 U	5 U	835	5 U	5 U	10 U
Well Number	Date Sampled	chloroform	chloromethane	dibromoethyl benzene	methylene chloride	styrene	tetrachloroethene	toluene	Total xylenes	Trichloroethene	Vinyl ethene	Vinyl chloride
2274	03-NOV-90	17	10 U	5 U	5 U	5 U	22	5 U	5 U	15	10 U	10 U
2274	23-MAY-91	18	10 U	5 U	5 U	5 U	12	5 U	5 U	10	10 U	10 U
2274	09-SEP-91	12	10 U	5 U	5 U	5 U	15	5 U	5 U	13	10 U	10 U
2487	07-JUN-90	5 U	10 U	5 U	2 JB	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2587	10-SEP-87	18	10 U	5 U	5 U	5 U	320	56	83	10 U	10 U	10 U
2587	03-MAR-88	4 J	10 U	5 U	5 U	5 U	598	5 U	5 U	115	10 U	10 U
2587	12-MAY-88	5 U	10 U	5 U	5 U	5 U	680	5 U	5 U	123	10 U	10 U
2587	16-AUG-88	5 U	10 U	5 U	5 U	5 U	457	5 U	5 U	258	10 U	10 U
2587	10-NOV-88	5 U	10 U	5 U	5 U	5 U	433	5 U	5 U	258	10 U	10 U

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloropropene	trans-1,3-Dichloropropene	2-Chloroethyl chloroethene	2-Chloroethyl Vinyl Ether
2587	15-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2587	08-MAY-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2587	17-AUG-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2587	01-FEB-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2587	11-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2587	05-NOV-90	12 U	12 U	12 U	12 U	12 U	12 U	44	12 U	12 U	12 U	12 U	12 U
2587	09-MAR-91	5 U	5 U	5 U	5 U	5 U	5 U	17	5 U	5 U	5 U	5 U	5 U
2587	22-APR-91	5 U	5 U	5 U	5 U	5 U	5 U	14	5 U	5 U	5 U	5 U	5 U
2587	10-SEP-91	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone	Pentanone	Bromodichloromethane	Bromoform	Bromoform	Bromoform	Bromoform	Carbon disulfide	Carbon Tetraethane	Chloroethane
2587	15-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	180	5 U	5 U
2587	08-MAY-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	290	5 U	5 U
2587	17-AUG-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	110	5 U	5 U
2587	01-FEB-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2587	11-JUN-90	10 U	10 U	10 U	10 U	2 JB	5 U	5 U	5 U	10 U	66	5 U	10 U
2587	05-NOV-90	25 U	25 U	25 U	15 BJ	12 U	12 U	12 U	25 U	12 U	64	12 U	25 U
2587	09-MAR-91	10 U	10 U	10 U	6 BJ	5 U	5 U	5 U	10 U	5 U	170	5 U	10 U
2587	22-APR-91	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	130	5 U	10 U
2587	10-SEP-91	20 U	20 U	20 U	20 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U	20 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloro Ethyl oromethane	Benzene	Methylene chloride	Styrene	Tetrachloroethene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Chloride
2587	15-FEB-89	5 U	10 U	5 U	5 U	5 U	5 U	360	5 U	5 U	5 U	110	10 U
2587	08-MAY-89	5 J	10 U	5 U	5 U	5 U	5 U	840	5 U	5 U	5 U	120	10 U
2587	17-AUG-89	3 J	10 U	5 U	5 U	5 U	5 U	330	5 U	5 U	5 U	92	10 U
2587	01-FEB-90	5 U	10 U	5 U	6 B	5 U	2 J	5 U	5 U	5 U	5 U	4 JB	10 U
2587	11-JUN-90	2 J	10 U	5 U	5 U	5 U	340	5 U	5 U	5 U	54	10 U	10 U
2587	05-NOV-90	10 J	25 U	12 U	14 B	12 U	280	12 U	12 U	12 U	48	25 U	25 U
2587	09-MAR-91	3 J	10 U	5 U	3 J	5 U	330 D	5 U	5 U	5 U	63	10 U	10 U
2587	22-APR-91	5 U	10 U	5 U	5 U	5 U	330 D	5 U	5 U	5 U	61	10 U	10 U
2587	10-SEP-91	10 U	20 U	10 U	5 BJ	10 U	280	10 U	10 U	10 U	33	20 U	20 U

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	2-Chloroethyl chloroethene	2-Chloroethyl vinyl ether
2787	23-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2787	17-NOV-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2787	10-MAY-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2787	21-AUG-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2787	05-DEC-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2787	12-MAR-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2787	27-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2887	14-MAR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2887	12-MAY-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
2787	23-AUG-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	8	5 U	10 U
2787	17-NOV-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	7	5 U	10 U
2787	10-MAY-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	15	5 U	10 U
2787	21-AUG-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	14	5 U	10 U
2787	05-DEC-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	17	5 U	10 U
2787	12-MAR-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	9	5 U	10 U
2787	27-JUN-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	12	5 U	10 U
2887	14-MAR-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2887	12-MAY-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethylbenzene	Methylene chloride	Styrene	Tetrachloroethene	Toluene	Total xylenes	Trichloroethene	Vinyl ethene	Vinyl Acetate	Vinyl Chloride
2787	23-AUG-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	44	5 U	5 U	10 U
2787	17-NOV-88	2 JB	10 U	5 U	3 JB	5 U	16	3 JB	5 U	5 U	5 U	5 U	10 U
2787	10-MAY-89	3 J	10 U	5 U	5 U	5 U	31	5 U	5 U	4 J	5 U	4 J	10 U
2787	21-AUG-89	2 J	10 U	5 U	5 U	5 U	18	5 U	5 U	3 J	5 U	3 J	10 U
2787	05-DEC-89	5 U	10 U	5 U	7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2787	12-MAR-90	1 J	10 U	5 U	5 U	7 B	5 U	10	5 U	5 U	2 J	5 U	10 U
2787	27-JUN-90	2 J	10 U	5 U	3 JB	5 U	13	5 U	5 U	2 J	5 U	2 J	10 U
2887	14-MAR-88	27	10 U	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U	5 U	10 U
2887	12-MAY-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethene	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloroethene	trans-1,2-Dichloroethene	trans-1,3-Di chloroethylene	2-Chloroethyl vinyl ether
2887	22-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2887	16-NOV-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2887	20-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2887	08-MAY-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2887	21-AUG-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2887	06-DEC-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2887	14-MAR-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2887	26-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2887	19-SEP-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Benzene	Bromodichloromethane	Bromotormethane	Bromoethane	Carbon tetrachloride	Chlorobenzene	Chloroethane
2887	22-AUG-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2887	16-NOV-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2887	20-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2887	08-MAY-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2887	21-AUG-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2887	06-DEC-89	10 U	10 U	10 U	10 U	27.8	5 U	5 U	10 U	5 U	5 U	10 U
2887	14-MAR-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2887	26-JUN-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U
2887	19-SEP-90	8 BJ	10 U	9 BJ	7 BJ	5 U	5 U	5 U	10 U	12	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethylbenzene	Methylene chloride	Styrene	Tetrachloroethene	Toluene	Total xylenes	Trichloroethene	Vinyl acetate	Vinyl chloride
2887	22-AUG-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2887	16-NOV-88	3 JB	10 U	5 U	5 U	4 JB	5 U	5 U	5 U	5 U	5 U	10 U
2887	20-FEB-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2887	08-MAY-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2887	21-AUG-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2887	06-DEC-89	5 U	10 U	5 U	5 U	7	5 U	5 U	5 U	5 U	5 U	10 U
2887	14-MAR-90	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2887	26-JUN-90	5 U	10 U	5 U	5 U	3 JB	5 U	5 U	5 U	5 U	5 U	10 U
2887	19-SEP-90	5 U	10 U	5 U	5 U	8 B	5 U	5 U	10 B	5 U	5 U	10 U

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,3-Dichlorohoroprene	trans-1,2-Dichlorohoroprene	trans-1,3-Dichloroethene	2-Chloroethyl vinyl Ether
2887	28-NOV-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2887	15-JAN-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2887	16-APR-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2887	04-SEP-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3187	10-MAR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3187	12-MAY-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3187	25-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3187	22-NOV-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3187	22-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-pentanone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon Tetra chloride	Chlorobenzene	Chloro ethane
2887	28-NOV-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2887	15-JAN-91	10 U	10 U	28 B	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2887	16-APR-91	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
2887	04-SEP-91	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3187	10-MAR-88	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3187	12-MAY-88	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3187	25-AUG-88	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3187	22-NOV-88	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3187	22-FEB-89	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloro Benzene	Methylene Chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride
2887	28-NOV-90	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2887	15-JAN-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2887	16-APR-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
2887	04-SEP-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3187	10-MAR-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3187	12-MAY-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3187	25-AUG-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3187	22-NOV-88	2 JB	10 U	5 U	5 U	4 JB	5 U	5 U	3 JB	5 U	5 U	10 U
3187	22-FEB-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U

U=Analyzed but not detected
A=Acceptable with qualifications

J=Present below detection limit
V=Valid and acceptable

E=Estimated Value
R=Rejected
D=Diluted Sample

Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	2-Chloroethyl vinyl Ether
3187	10-MAY-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3187	14-DEC-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3187	13-MAR-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3187	27-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3187	18-SEP-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3187	21-NOV-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3187	11-JAN-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3187	16-APR-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3187	10-SEP-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
3187	10-MAY-89	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3187	14-DEC-89	10 U	10 U	10 U	11 S	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3187	13-MAR-90	10 U	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3187	27-JUN-90	10 U	10 U	10 U	5 JB	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3187	18-SEP-90	5 BJ	10 U	10 U	5 BJ	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3187	21-NOV-90	7 BJ	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3187	11-JAN-91	10 U	10 U	10 U	4 BJ	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3187	16-APR-91	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3187	10-SEP-91	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloroethane	Methylene chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride
3187	10-MAY-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3187	14-DEC-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3187	13-MAR-90	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3187	27-JUN-90	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3187	18-SEP-90	5 U	10 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3187	21-NOV-90	5 U	10 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U	5 U	10 U
3187	11-JAN-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3187	16-APR-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3187	10-SEP-91	5 U	10 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U	5 U	10 U

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J=Valid and acceptable
E=Estimated Value
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D=Diluted Sample

Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,3-Dichloro-1-propane	trans-1,2-Dichloroethene	trans-1,3-Dichloro-1-propane	2-Chloropropene	Vinyl Ether
3287	09-MAR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3287	12-MAY-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3287	23-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3287	17-NOV-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3287	22-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3287	12-DEC-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3287	21-FEB-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3287	22-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3287	19-SEP-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone pentanone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Bromoform	Carbon disulfide	Carbon Tetra chloride	Chlorobenzene	Chloroethane	Vinyl Chloride
3287	09-MAR-88	10 U	10 U	35	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3287	12-MAY-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3287	23-AUG-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3287	17-NOV-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3287	22-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3287	12-DEC-89	10 U	10 U	10 U	8 J	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3287	21-FEB-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3287	22-JUN-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3287	19-SEP-90	10 B	10 U	1 J	12 B	5 U	5 U	5 U	5 U	10 U	5 U	20	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloro methane	Dibromoethylbenzene	Methylene Chloride	Styrene	Tetra chloroethene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl ethene	Vinyl Acetate	Vinyl Chloride
3287	09-MAR-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	44	10 U	10 U
3287	12-MAY-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3287	23-AUG-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3287	17-NOV-88	2 JB	10 U	5 U	5 U	3 JB	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3287	22-FEB-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	20	5 U	5 U	5 U	10 U
3287	12-DEC-89	5 U	10 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3287	21-FEB-90	5 U	10 U	5 U	5 U	2 JB	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3287	22-JUN-90	5 U	10 U	5 U	5 U	5 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U	10 U
3287	19-SEP-90	2 J	10 U	5 U	5 U	12 B	5 U	26 B	5 U	5 U	5 U	7	10 U	10 U

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E=Estimated Value
R=Rejected
D=Diluted Sample

Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropane	trans-1,2-Dichloroethylene	trans-1,3-Dichloroethylene	2-Chloroethyl Vinyl Ether
3287	29-NOV-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3287	15-JAN-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3287	16-APR-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3287	03-SEP-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3387	26-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3387	05-SEP-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3487	09-MAR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3487	12-MAY-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3487	24-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon Tetra chloride	Chlorobenzene	Chloro ethane	Chloro ethane
3287	29-NOV-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5	5 U	5 U	10 U
3287	15-JAN-91	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	8	5 U	5 U	10 U
3287	16-APR-91	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 J	5 U	5 U	10 U
3287	03-SEP-91	10 U	10 U	10 U	6	5 U	5 U	10 U	5 U	5 U	5 U	9	10 U
3387	26-JUN-90	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	42	5 U	5 U	10 U
3387	05-SEP-91	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	58	5 U	5 U	10 U
3487	09-MAR-88	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
3487	12-MAY-88	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
3487	24-AUG-88	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromoethylbenzene	Methylene Chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride	Vinyl Chloride
3287	29-NOV-90	1 J	10 U	5 U	5 U	5 U	11	1 J	5 U	3 J	10 U	10 U	10 U
3287	15-JAN-91	1 J	10 U	5 U	2 J	5 U	20	5 U	5 U	3 J	10 U	10 U	10 U
3287	16-APR-91	1 J	10 U	5 U	5 U	5 U	7	5 U	5 U	5 U	10 U	10 U	10 U
3287	03-SEP-91	5 U	10 U	5 U	5 U	5 U	1 J	8	5 U	7	10 U	10 U	10 U
3387	26-JUN-90	19	10 U	5 U	5 U	5 U	17	5 U	5 U	6	10 U	10 U	10 U
3387	05-SEP-91	5	10 U	5 U	5 U	5 U	21	5 U	5 U	9	10 U	10 U	10 U
3487	09-MAR-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	3 J	10 U	10 U	10 U
3487	12-MAY-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U
3487	24-AUG-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U

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E=Estimated Value
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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	2-Chloroethyl vinyl Ether	
3487	28-SEP-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3487	16-NOV-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3487	20-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
3487	10-MAY-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
3487	23-AUG-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3487	13-DEC-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
3487	21-MAR-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
3487	26-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
3487	18-SEP-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon Tetra chloride	Chlorobenzene	Chloro ethane
3487	28-SEP-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3487	16-NOV-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3487	20-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3487	10-MAY-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3487	23-AUG-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3487	13-DEC-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3487	21-MAR-90	10 U	10 U	10 U	4 J	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3487	26-JUN-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3487	18-SEP-90	3 BJ	10 U	10 U	10 B	5 U	5 U	5 U	10 U	5 U	5 U	7	5 U
Well Number	Date Sampled	chloroform	chloro methane	dibromochloro benzene	methylene chloride	styrene	tetrachloro ethene	tetrachloro toluene	Total xylenes	Trichloro ethene	Vinyl acetate	Vinyl chloride	
3487	28-SEP-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3487	16-NOV-88	2 JB	10 U	5 U	3 JB	5 U	5 U	5 JB	5 U	5 U	5 U	5 U	10 U
3487	20-FEB-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3487	10-MAY-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10	10 U
3487	23-AUG-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 J	10 U
3487	13-DEC-89	5 U	10 U	5 U	8	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3487	21-MAR-90	5 U	10 U	5 U	3 JB	5 U	5 U	5 U	5 U	5 U	2 J	5 U	10 U
3487	26-JUN-90	5 U	10 U	5 U	3 JB	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3487	18-SEP-90	5 U	10 U	5 U	6 B	5 U	4 BJ	5 U	5 U	5 U	1 J	5 U	10 U

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Diluted Sample

Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachlorethane	1,1,2-Trichloroethane	1,1-Dichloroethene	1,1-Dichloroethene	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloroethene	trans-1,3-Di chloropropane	2-Chloroethyl chloride	
3487	28-NOV-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
3487	15-JAN-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
3487	16-APR-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
3487	05-SEP-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
3687	09-MAR-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	
3687	04-MAY-88	5 U	5 U	5 U	5 U	5 U	230	5 U	5 U	5 U	5 U	10 U	
3687	19-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
3687	10-NOV-88	8	5 U	5 U	5 U	5 U	506	5 U	5 U	5 U	5 U	10 U	
3687	15-FEB-89	63	5 U	5 U	5 U	5 U	32	5 U	92	5 U	5 U	5 U	
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon tetrachloride	Chloroethane	Chloroethane
3487	28-NOV-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3487	15-JAN-91	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3487	16-APR-91	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3487	05-SEP-91	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3687	09-MAR-88	10 U	975	10 U	10 U	5 U	5 U	5 U	10 U	5 U	545	5 U	10 U
3687	04-MAY-88	10 U	10 U	10 U	11	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3687	19-AUG-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	37	5 U	10 U
3687	10-NOV-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	1611	5 U	10 U
3687	15-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	620	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloroethane	Ethylbenzene	Methylene chloride	Styrene	Tetrachloroethene	Toluene	Total xylenes	Trichloroethene	Vinyl acetate	Vinyl chloride
3487	28-NOV-90	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3487	15-JAN-91	5 U	10 U	5 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3487	16-APR-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3487	05-SEP-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3687	09-MAR-88	1370	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	131820	10 U	10 U
3687	04-MAY-88	2810	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	221860	10 U	10 U
3687	19-AUG-88	56	10 U	5 U	5 U	5 U	34	5 U	5 U	5 U	71150	10 U	10 U
3687	10-NOV-88	486	10 U	5 U	5 U	5 U	396	5 U	5 U	5 U	2451	10 U	10 U
3687	15-FEB-89	270	10 U	5 U	5 U	5 U	260	5 U	5 U	5 U	49000	10 U	10 U

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V=Valid and acceptable

D=Diluted Sample

E=Estimated Value
R=Rejected

Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloropropene	trans-1,3-Di chloroethylene	2-Chloroethyl Vinyl Ether
3687	08-MAY-89	5 U	5 U	5 U	22 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3687	11-SEP-89	200	5 U	5 U	150	2 J	5 U	5 U	5 U	5 U	5 U	5 U	2500 U
3687	10-NOV-89	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	1000 U
3687	05-MAR-90	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	5 U
3687	05-JUN-90	130	5 U	5 U	3 J	67	5 U	42	5 U	5 U	5 U	5 U	2500 U
3687	29-AUG-90	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	1000 U
3687	12-NOV-90	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	5 U
3687	08-MAR-91	140	5 U	5 U	4 J	63	2 J	60	5 U	5 U	5 U	5 U	250 U
3687	19-APR-91	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone pentane	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloro ethane	Vinyl chloride
3687	08-MAY-89	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	610	5 U	5 U	10 U
3687	11-SEP-89	9 J	8 J	10 U	190	1 J	5 U	10 U	5 U	550	5 U	5 U	10 U
3687	10-NOV-89	5000 U	5000 U	5000 U	5000 U	2500 U	2500 U	5000 U	2500 U	2500 U	2500 U	2500 U	5000 U
3687	05-MAR-90	2000 U	2000 U	2000 U	860 JB	1000 U	1000 U	2000 U	1000 U	1000 U	1000 U	1000 U	2000 U
3687	05-JUN-90	10 U	10 U	8 J	16 B	5 U	5 U	10 U	5 U	770	5 U	5 U	10 U
3687	29-AUG-90	5000 U	5000 U	5000 U	4100 BJ	2500 U	2500 U	5000 U	2500 U	2500 U	940 J	2500 U	5000 U
3687	12-NOV-90	2000 U	2000 U	2000 U	2000 U	1000 U	1000 U	2000 U	1000 U	1000 U	470 J	1000 U	2000 U
3687	08-MAR-91	10 U	10 U	10	37 B	5 U	1 J	5 U	10 U	770 D	5 U	5 U	10 U
3687	19-APR-91	500 U	500 U	500 U	500 U	250 U	250 U	500 U	250 U	800	250 U	250 U	500 U
Well Number	Date Sampled	Chloroform	Chloro methane	Dibromochloro Ethyl Benzene	Methylene Chloride	Styrene	Tetrachloro ethene	Toluene	Total Xylenes	Trichloro ethene	Vinyl ethene	Vinyl Acetate	Vinyl Chloride
3687	08-MAY-89	290E	10 U	5 U	5 U	5 U	350E	2 J	5 U	12000	10 U	10 U	10 U
3687	11-SEP-89	1300	10 U	5 U	5 U	19	5 U	520	13	5 U	10000	10 U	10 U
3687	10-NOV-89	2500 U	5000 U	2500 U	2500 U	2500 U	2500 U	2500 U	2500 U	18000	5000 U	5000 U	5000 U
3687	05-MAR-90	610 J	2000 U	1000 U	1000 U	1600 B	1000 U	490 J	1000 U	1000 U	47000 B	2000 U	2000 U
3687	05-JUN-90	850	10 U	5 U	5 U	19 B	5 U	610	5	5 U	57000	10 U	10 U
3687	29-AUG-90	1100 J	5000 U	2500 U	1400 BJ	2500 U	1100 J	2500 U	2500 U	96000	5000 U	5000 U	5000 U
3687	12-NOV-90	540 J	2000 U	1000 U	1000 U	1600 B	1000 U	440 J	1000 U	1000 U	39000	2000 U	2000 U
3687	08-MAR-91	930 D	10 U	5 U	5 U	14 B	5 U	610 D	10 B	5 U	45000 DE	10 U	10 U
3687	19-APR-91	350	500 U	250 U	250 U	250 U	470	250 U	250 U	38000 D	500 U	500 U	500 U

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E=Estimated Value
R=Rejected
D=Diluted Sample

Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	cis-1,3-Dichloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloroethene	2-Chloropropene	Vinyl Chloride
3687	23-AUG-91	130	100 U	100 U	5 U	5 U	5 U	5 U	100 U	40 J	100 U	5 U	100 U
3986	-SEP-86	5 U	5 U	6 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	5 U	10 U
3986	06-MAY-87	4 U											
3986	03-JUN-87	4 U											
3986	03-SEP-87	5 U											
3986	12-DEC-87	5 U											
3986	09-MAR-88	5 U											
3986	04-MAY-88	5 U											
3986	19-AUG-88	5 U											
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroethene	Vinyl Chloride
3687	23-AUG-91	200 U	200 U	200 U	25 BJ	100 U	100 U	100 U	200 U	100 U	870	100 U	200 U
3986	-SEP-86	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3986	06-MAY-87												
3986	03-JUN-87												
3986	03-SEP-87												
3986	12-DEC-87	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3986	09-MAR-88	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3986	04-MAY-88	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3986	19-AUG-88	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloromethane	Ethylbenzene	Methylene Chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride
3687	23-AUG-91	840	200 U	100 U	100 U	27 J	100 U	770	100 U	100 U	68000 D	200 U	200 U
3986	-SEP-86	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3986	06-MAY-87	4 U											
3986	03-JUN-87	4 U											
3986	03-SEP-87	5 U											
3986	12-DEC-87	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3986	09-MAR-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3986	04-MAY-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3986	19-AUG-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U

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A=Acceptable with qualifications
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V=Valid and acceptable

J=Present below detection limit
V=Valid and acceptable

E=Estimated Value
R=Rejected
D=Diluted Sample

Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloropropene	trans-1,3-Dichloroethene	2-Chloroethyl chloroethene	2-Chloroethyl Vinyl Ether
3986	10-NOV-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3986	15-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3986	08-MAY-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3986	21-FEB-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J	5 U	5 U	5 U	5 U
3986	04-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3986	09-AUG-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3986	01-NOV-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3986	19-MAR-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3986	14-MAY-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon Tetra chloride	Chlorobenzene	Chloro ethane
3986	10-NOV-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3986	15-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3986	08-MAY-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3986	21-FEB-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3986	04-JUN-90	10 U	10 U	10 U	10 U	27 B	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3986	09-AUG-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3986	01-NOV-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3986	19-MAR-91	10 U	10 U	10 U	4 J	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
3986	14-MAY-91	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	chloroform	chloromethane	dibromoethyl oromethane	benzene	methylene chloride	styrene	tetrachloroethene	toluene	Total xylenes	Trichloroethene	Vinyl chloride	Vinyl Acetate
3986	10-NOV-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	418
3986	15-FEB-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3986	08-MAY-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3986	21-FEB-90	5 U	10 U	5 U	5 U	3 JB	5 U	3 J	5 U	5 U	5 U	5 U	10 U
3986	04-JUN-90	5 U	10 U	5 U	5 U	18 B	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3986	09-AUG-90	5 U	10 U	5 U	5 U	5 U	5 U	1 J	5 U	5 U	5 U	5 U	10 U
3986	01-NOV-90	5 U	10 U	5 U	5 U	7 B	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3986	19-MAR-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
3986	14-MAY-91	5 U	10 U	5 U	5 U	5 B	5 U	5 U	5 U	5 U	5 U	5 U	10 U

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J=Present below detection limit

V=Valid and acceptable
R=Rejected

D=diluted sample

E=Estimated value
R=Rejected

Ground Water Volatile Organic Results East Trenches Area

U=Analyzed but not detected
A=Accurate|• with qualification

J=Present below detection limit
V=Valid and acceptable

D=Diluted Sample
Estimated Value

E=Estimated
S=Projected

Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,3-Dichlorohoroethene	trans-1,2-Dihlorochloroethene	trans-1,3-Dihlorovinyl Ether
4086	13-DEC-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4086	19-FEB-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4086	20-SEP-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4086	28-NOV-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4086	11-JAN-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4086	16-APR-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4086	06-SEP-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4186	-SEP-86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
4186	06-MAY-87	4 U		4 U	5 U	4 U	4 U	5 U	5 U	5 U	
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon Tetra chloride	Chloro benzene
4086	13-DEC-89	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
4086	19-FEB-90	10 U	10 U	2 J	5 U	5 U	10 U	5 U	5 U	5 U	10 U
4086	20-SEP-90	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
4086	28-NOV-90	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
4086	11-JAN-91	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
4086	16-APR-91	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
4086	06-SEP-91	10 U	10 U	10 U	6 BJ	5 U	10 U	5 U	5 U	5 U	10 U
4186	-SEP-86	10 U	10 U	10 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
4186	06-MAY-87								4 U		
Well Number	Date Sampled	Chloroform	Chloro methane	Dibromochl Ethyl oronethane	Benzene	Methylene Chloride	Styrene	Tetrachloro ethene	Toluene	Total Xylenes	Vinyl Chloride
4086	13-DEC-89	5 U	10 U	5 U	5 B	5 U	5 U	5 U	5 U	5 U	10 U
4086	19-FEB-90	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
4086	20-SEP-90	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
4086	28-NOV-90	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
4086	11-JAN-91	5 U	10 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U	10 U
4086	16-APR-91	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
4086	06-SEP-91	5 U	10 U	5 U	1 BJ	5 U	5 U	5 U	5 U	5 U	10 U
4186	-SEP-86	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
4186	06-MAY-87	4 U							160		4 U

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachlorethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	2-Chloroethyl chloroethene	chloropropene	chloropropene Vinyl Ether	
4186	01-JUN-87	4 U		4 U		4 U		4 U		4 U		5 U		10 U
4186	20-JUL-87	4 U		4 U		4 U		4 U		4 U		5 U		10 U
4186	10-MAR-88	5 U		5 U		5 U		5 U		5 U		5 U		10 U
4186	04-MAY-88	5 U		5 U		5 U		5 U		5 U		5 U		10 U
4186	22-NOV-88	5 U		5 U		5 U		5 U		5 U		5 U		10 U
4186	20-FEB-89	5 U		5 U		5 U		5 U		5 U		5 U		10 U
4186	10-MAY-89	5 U		5 U		5 U		5 U		5 U		5 U		10 U
4186	07-DEC-89	5 U		5 U		5 U		5 U		5 U		5 U		10 U
4186	19-FEB-90	5 U		5 U		5 U		5 U		5 U		5 U		10 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Acetone pentanone	Benzene	Bromodichloro methane	Bromoform	Bromo methane	Carbon Tetra chloride	Chloro benzene	Chloro ethane	Chloro ethene	Vinyl Chloride	Vinyl Chloride
4186	01-JUN-87													
4186	20-JUL-87	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
4186	10-MAR-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
4186	04-MAY-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
4186	22-NOV-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
4186	20-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
4186	10-MAY-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
4186	07-DEC-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
4186	19-FEB-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloro Ethyl oronemethane Benzene	Styrene	Methylene Chloride	Tetrachloro ethene	Toluene	Total Xylenes	Trichloro ethene	Vinyl Acetate	Vinyl Acetate	Vinyl Acetate	Vinyl Acetate
4186	01-JUN-87	4 U								4 U				
4186	20-JUL-87	4 U							11					
4186	10-MAR-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U					
4186	04-MAY-88	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U					
4186	22-NOV-88	2 JB	10 U	5 U	5 U	4 JB	5 U	5 U	4 JB					
4186	20-FEB-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U					
4186	10-MAY-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U					
4186	07-DEC-89	5 U	10 U	5 U	6	5 U	5 U	5 U	5 U					
4186	19-FEB-90	5 U	10 U	5 U	5 B	5 U	5 U	5 U	5 U					

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichlorohoroprene	trans-1,2-Dihoroprene	trans-1,3-Dihoroprene	2-Chloroethyl Vinyl Ether	
4186	22-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
4186	17-SEP-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
4186	20-NOV-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
4186	10-JAN-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
4186	15-APR-91	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
4286	-SEP-86	4 J	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U	53	5 U	
4286	12-MAR-87	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	17		
4286	26-MAY-87	4 U	4 U	4 U	4 U	4 U	320	4 U					
4286	03-SEP-87	5 U	5 U	5 U	26	5 U	5 U						
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2 Acetone pentanone	Benzene	Bromodichloroform	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	
4186	22-JUN-90	10 U	10 U	10 U	18 B	5 U	5 U	5 U	10 U	5 U	5 U	5 U	
4186	17-SEP-90	5 BJ	10 U	10 U	5 BJ	5 U	5 U	5 U	10 U	5 U	3 J	5 U	
4186	20-NOV-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 J	5 U	
4186	10-JAN-91	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	7	5 U	
4186	15-APR-91	10 U	10 U	10 U	14	5 U	5 U	5 U	10 U	5 U	4 J	5 U	
4286	-SEP-86	5 BJ	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	1560	5 U	
4286	12-MAR-87									750			
4286	26-MAY-87									3300			
4286	03-SEP-87									4835			
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloroform	Ethyl Benzene	Methylene Chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride
4186	22-JUN-90	5 U	10 U	5 U	5 U	6 B	5 U	5 U	5 U	5 U	5 U	10 U	10 U
4186	17-SEP-90	1 J	10 U	5 U	5 U	7 B	5 U	4 BJ	1 J	5 U	5 U	10 U	10 U
4186	20-NOV-90	2 J	10 U	5 U	5 U	3 BJ	5 U	2 J	3 J	5 U	5 U	10 U	10 U
4186	10-JAN-91	1 J	10 U	5 U	5 U	2 J	5 U	14	5 U	5 U	2 J	10 U	10 U
4186	15-APR-91	5 U	10 U	5 U	5 U	5 U	5 U	8	5 U	5 U	2 J	10 U	10 U
4286	-SEP-86	159	10 U	5 U	5 U	6	5 U	320	5 U	5 U	260	10 U	10 U
4286	12-MAR-87	40							152		110		
4286	26-MAY-87	100							3200		1400		
4286	03-SEP-87	107							1040		870		

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloroethene	cis-1,3-Dichloropropene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	2-Chloroethyl vinyl Ether
4286	14-OCT-87	5 U		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
4286	03-MAR-88	5 U	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U	5 U	10 U
4286	04-MAY-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4286	25-AUG-88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
4286	17-NOV-88	5 U	5 U	5 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U	5 U
4286	20-FEB-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4286	08-MAY-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4286	17-AUG-89	5 U	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U	5 U	10 U
4286	06-DEC-89	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
4286	14-OCT-87											
4286	03-MAR-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	1741	5 U
4286	04-MAY-88	10 U	10 U	10 U	5 J	5 U	5 U	5 U	10 U	5 U	5 U	10 U
4286	25-AUG-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	1353	5 U
4286	17-NOV-88	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	1300	5 U
4286	20-FEB-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	760	5 U
4286	08-MAY-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	1100	5 U
4286	17-AUG-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	1000	5 U
4286	06-DEC-89	100 U	100 U	100 U	100 U	50 U	50 U	50 U	100 U	50 U	770	50 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloromethane	Ethylbenzene	Methylene chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate
4286	14-OCT-87	41										
4286	03-MAR-88	43	10 U	5 U	5 U	5 U	5 U	516	5 U	5 U	274	10 U
4286	04-MAY-88	57	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
4286	25-AUG-88	5 U	10 U	5 U	5 U	5 U	382	5 U	5 U	5 U	153	10 U
4286	17-NOV-88	21 B	10 U	5 U	2 JB	5 U	310	4 JB	5 U	140	10 U	10 U
4286	20-FEB-89	20	10 U	5 U	5 U	5 U	180	5 U	5 U	95	10 U	10 U
4286	08-MAY-89	21 J	10 U	5 U	5 U	5 U	300	5 U	5 U	190	10 U	10 U
4286	17-AUG-89	33	10 U	5 U	5 U	5 U	230	5 U	5 U	180	10 U	10 U
4286	06-DEC-89	50 U	100 U	50 U	50 U	50 U	130	50 U	50 U	50 U	100 U	100 U

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloropropane	cis-1,3-Dichloropropane	trans-1,2-Dichloroethene	2-Chloroethyl vinyl ether
4286	30-JAN-90	5 U	5 U	5 U	5 U	5 U	47	5 U	5 U	5 U
4286	11-JUN-90	5 U	5 U	5 U	2 J	5 U	59	5 U	5 U	5 U
4286	24-AUG-90	1 J	5 U	5 U	2 J	5 U	63	5 U	5 U	5 U
4286	16-NOV-90	2 J	5 U	5 U	2 J	5 U	49	5 U	5 U	5 U
4286	08-MAR-91	5 U	5 U	5 U	1 J	5 U	37	5 U	5 U	5 U
4286	17-MAY-91	5 U	5 U	5 U	5 U	5 U	32	5 U	5 U	5 U
6786	11-MAY-87	4 U		4 U		4 U	4 U	4 U	4 U	
6786	01-JUN-87	4 U		4 U		4 U	4 U	4 U	4 U	
6786	20-JUL-87	4 U		4 U		4 U	4 U	4 U	4 U	
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Benzene	Bromodichloromethane	Bromoform	Bromo-methane	Carbon disulfide	Chloroethane
4286	30-JAN-90	10 U	10 U	10 U	5 U	5 U	10 U	5 U	600	5 U
4286	11-JUN-90	10 U	10 U	10 U	2 JB	5 U	10 U	5 U	1000	5 U
4286	24-AUG-90	10 U	10 U	10 U	10 U	5 U	10 U	5 U	1000 E	5 U
4286	16-NOV-90	10 U	10 U	10 U	10 U	5 U	10 U	5 U	700 D	5 U
4286	08-MAR-91	10 U	10 U	10 U	7 BJ	5 U	10 U	5 U	500 D	5 U
4286	17-MAY-91	10 U	10 U	10 U	18 B	5 U	5 U	10 U	420 D	5 U
6786	11-MAY-87								4 U	
6786	01-JUN-87								4 U	
6786	20-JUL-87								4 U	
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloroethane	Ethyl chloride	Methylene chloride	Styrene	Tetraethene	Toluene	Total xylenes
4286	30-JAN-90	15	10 U	5 U	5 U	5 U	5 U	160	5 U	5 U
4286	11-JUN-90	20	10 U	5 U	3 JB	5 U	190	5 U	5 U	95
4286	24-AUG-90	20	10 U	5 U	4 BJ	5 U	220 E	5 U	5 U	100
4286	16-NOV-90	14	10 U	5 U	5 U	5 U	170	5 U	5 U	80
4286	08-MAR-91	19	10 U	5 U	14 B	5 U	120	2 BJ	2 BJ	340 D
4286	17-MAY-91	11	10 U	5 U	5 U	5 U	99	5 U	5 U	53
6786	11-MAY-87	4 U							4 U	
6786	01-JUN-87	4 U							4 U	
6786	20-JUL-87	4 U							4 U	

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethene	cis-1,3-Dichloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloroethene	2-Chloropropene	Vinyl Ether
6786	13-DEC-89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
6786	08-FEB-90	25	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
6786	12-JUN-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
6786	22-AUG-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
6786	05-OCT-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
B218789	14-MAR-90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
B218789	25-MAY-90	5 U	5 U	5 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
B218789	13-SEP-90	50 U	50 U	50 U	5 U	3 J	5 U	5 U	75	5 U	5 U	5 U	50 U	50 U
B218789	22-OCT-90	5 U	5 U	5 U	10 U	10 U	16 B	5 U	5 U	5 U	10 U	5 U	960 D	5 U
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromoform	Bromoform	Carbon Tetrachloride	Carbon Tetrafluoride	Chlorobenzene	Chloroethane
6786	13-DEC-89	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
6786	08-FEB-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
6786	12-JUN-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
6786	22-AUG-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
6786	05-OCT-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
B218789	14-MAR-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	730	5 U	10 U
B218789	25-MAY-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	560	5 U	10 U
B218789	13-SEP-90	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	100 U	50 U	920	11 BJ	100 U
B218789	22-OCT-90	10 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloroethane	Benzene	Methylene Chloride	Styrene	Tetraethene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride
6786	13-DEC-89	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
6786	08-FEB-90	5 U	10 U	5 U	5 U	4 JB	5 U	4 J	5 U	5 U	5 U	33	10 U	10 U
6786	12-JUN-90	5 U	10 U	5 U	5 U	2 JB	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
6786	22-AUG-90	5 U	10 U	5 U	5 U	3 BJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
6786	05-OCT-90	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
B218789	14-MAR-90	18	10 U	5 U	5 U	5 U	5 U	170	5 U	5 U	5 U	92	10 U	10 U
B218789	25-MAY-90	18	10 U	5 U	5 U	5 U	5 U	210	5 U	5 U	5 U	100	10 U	10 U
B218789	13-SEP-90	18 J	100 U	50 U	50 U	11 J	50 U	200	30 J	50 U	50 U	79	100 U	100 U
B218789	22-OCT-90	16	10 U	5 U	5 U	6 B	5 U	200 D	5 U	5 U	5 U	99	10 U	10 U

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Ground Water Volatile Organic Results
East Trenches Area
Results reported in ug/l

Well Number	Date Sampled	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichlorohexane	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	2-Chloroethyl Vinyl Ether	
B218789	08-MAR-91	5 U	15	5 U	5 U	4 J	5 U	90	5 U	5 U	5 U	5 U	
B218789	21-MAY-91	2 J	5 U	5 U	5 U	4 J	5 U	90	5 U	5 U	5 U	5 U	
B218789	20-AUG-91	5 U	4 J	5 U	5 U	7	5 U	170	5 U	5 U	5 U	5 U	
Well Number	Date Sampled	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromo methane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane
B218789	08-MAR-91	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	830 D	5 U	10 U
B218789	21-MAY-91	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	1500 D	5 U	10 U
B218789	20-AUG-91	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	1600 D	5 U	10 U
Well Number	Date Sampled	Chloroform	Chloromethane	Dibromochloromethane	Ethyl Benzene	Methylene Chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	Trichloroethene	Vinyl Acetate	Vinyl Chloride
B218789	08-MAR-91	36	10 U	5 U	5 U	5 B	5 U	170 D	5 U	5 U	100 D	10 U	10 U
B218789	21-MAY-91	18	10 U	5 U	5 U	2 BJ	5 U	280 D	5 U	5 U	110	10 U	10 U
B218789	20-AUG-91	22	10 U	5 U	5 U	5 U	5 U	270 D	5 U	5 U	160	10 U	10 U

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**GROUND-WATER SAMPLING RESULTS
DISSOLVED METALS**

Ground Water Dissolved Metal Results
903 Pad Area

Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)	
0171	-AUG-86	0.1 U	0.05 U	0.002 U	0.1 U	0.005 U	0.005 U	84.	0.1 U	0.01 U	0.17	0.025 U	0.27 U	0.01 U	=====	
0171	09-MAR-87	0.029 U	0.06 U	0.01 U	0.3006	0.005 U	0.005 U	74.2379	0.2 U	0.01 U	0.022 U	0.0063 U	0.436	0.005 U	=====	
0171	30-APR-87	0.029 U	0.06 U	0.01 U	0.2387	0.005 U	0.005 U	71.7187	0.2 U	0.01 U	0.022 U	0.0063 U	0.2571	0.005 U	=====	
0171	01-MAY-87	0.029 U	0.06 U	0.01 U	0.2969	0.005 U	0.005 U	86.5157	0.2 U	0.01 U	0.022 U	0.0063 U	1.233	0.02	=====	
0171	21-MAY-87	0.029 U	0.06 U	0.01 U	0.005 U	0.005 U	0.001 U	79.9108	0.02 U	0.01 U	0.022 U	0.0138	0.7001	0.005 U	=====	
0171	02-JUL-87	0.0505	0.02 U	0.005 U	0.2754	0.002 J	0.0007 J	61.9404	0.02 U	0.0208	0.022 U	0.0063 U	0.2821	0.002 J	0.04 J	
0171	15-OCT-87	0.0619	0.02 U	0.005 U	0.2707	0.005 U	0.001 U	62.734	0.02 U	0.01 U	0.022 U	0.0063 U	0.2209	0.005 U	0.1 U	
0171	26-FEB-88	0.029 U	0.022	0.005 U	0.2153	0.001 U	0.005 U	62.7596	0.02 U	0.01 U	0.022 U	0.0155	0.9135	0.005 U	0.1 U	
0171	19-APR-88	0.029 U	0.034 U	0.005 U	0.005 U	0.001 U	0.005 U	76.0152	0.02 U	0.01 U	0.022 U	0.0063 U	0.3598	0.005 U	=====	
0171	26-JUL-88	0.029 U	0.0357	0.005 U	0.295	0.001 U	0.005 U	0.001 U	75.7906	0.02 U	0.01 U	0.022 U	0.0063 U	0.068	0.005 U	=====
0171	31-OCT-88	0.0412	0.034 U	0.005 U	0.2943	0.001 U	0.005 U	75.7906	0.02 U	0.0093 J	0.029 U	0.0114	0.221	0.001 U	=====	
0171	02-FEB-89	0.0193 J	0.05 U	0.001 U	0.2967	0.002 U	0.005 U	76.9057	0.005 U	0.0093 J	0.029 U	0.004 U	0.035 U	0.001 U	=====	
0171	02-MAY-89	0.0261 J	0.05 U	.001 U	0.2785	0.002 U	0.005 U	71.9889	.2 U	0.009 U	0.029 U	0.004 U	0.035 U	0.001 U	=====	
0171	08-AUG-89	0.05 U	0.05 U	0.2795	0.002 U	0.005 U	0.005 U	70.6931	0.009 U	0.029 U	0.004 U	0.004 U	0.035 U	0.001 U	=====	
Well Number	Date Sampled	Magnesium (Mg)	Mercury (Hg)	Manganese (Mg)	Nickel (Ni)	Molybdenum (Mo)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)	
0171	-AUG-86	15	0.143	0.0002 U	0.1 U	0.04 U	1.66	0.015	0.02	11.2	0.58	0.01 U	0.05 U	0.04 U	=====	
0171	09-MAR-87	14.5046	0.1243	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	16.59882	0.4816	0.01 U	0.024 U	0.02 U	=====	
0171	30-APR-87	16.2021	0.1025	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	18.9527	0.5248	0.01 U	0.024 U	0.02 U	=====	
0171	01-MAY-87		0.0002 U				5 U	0.005 U				0.01 U		0.02 U	=====	
0171	21-MAY-87	14.9964	0.1627	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	19.9155	0.4885	0.01 U	0.024 U	0.0417	=====	
0171	02-JUL-87	13.5221	0.1437	0.0002 U	0.022 U	0.0502	1.2	0.005 U	0.0076 U	19.1208	0.5254	0.01 U	0.024 U	0.031	=====	
0171	15-06-T-87	13.7503	0.0773	0.0002 U	0.022 U	0.037 U	1.6	0.005 U	0.0076 U	17.111	0.4912	0.01 U	0.023	0.0395	=====	
0171	26-FEB-88	14.4334	0.0953	0.0002 U	0.022 U	0.037 U	1.5	0.005 U	0.0076 U	17.831	0.4952	0.01 U	0.024 U	0.0268	=====	
0171	19-APR-88	14.0625	0.0963	0.0002 U	0.022 U	0.037 U	1.3	0.003 J	0.0076 U	16.936	0.4521	0.01 U	0.036 U	0.0259	=====	
0171	26-JUL-88	14.9166	0.1247	0.0002 U	0.022 U	0.037 U	1.2	0.005 U	0.0076 U	19.9541	0.4989	0.01 U	0.036 U	0.02 U	=====	
0171	31-OCT-88	13.9217	0.111	0.0002 U	0.022 U	0.037 U	2.6	0.005 U	0.0076 U	19.3502	0.5496	0.01 U	0.036 U	0.024	=====	
0171	02-FEB-89	15.2646	0.1109	0.0002 U	0.027 U	0.0336 J	1.2 J	.0019 J	0.0049 J	18.7001	0.5169	0.001 U	0.034 U	0.008 U	=====	
0171	02-MAY-89	14.2528	0.1147	.0002 U	0.027 U	1.35 J	.022 U	.001 U	0.004 U	17.5609	.5274	.001 U	0.034 U	0.008 U	=====	
0171	08-AUG-89	13.5688	0.0945				0.027 U			16.3534	0.511				=====	

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Ground Water Dissolved Metal Results
903 Pad Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Al)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lithium (Li)	Lead (Pb)	
0171	29-NOV-89	.2 U	.06 U	.01 U	.318	.005 U	.005 U	77.1	1.0 U	.01 U	.05 U	.025 U	.403	.005 U	.1 U	
0171	23-FEB-90	0.2 U	0.06 U	0.01 U	0.303	0.005 U	0.005 U	76.7	2.5 U	0.01 U	0.05 U	0.025 U	0.151	0.003 U	0.1 U	
0171	17-APR-91	0.0544 B	0.0115 B		0.002 U	0.291	0.001 U	0.002 U	79	0.112 U	0.0082 B	0.003 U	0.0022 B	0.318	0.001 U	0.0684 B
0171	10-SEP-91	0.1 U	0.05 U	0.002 U	0.278	0.002 U	0.003 U	77.4	0.5 U	0.005 U	0.01 U	0.01 U	0.05 U	0.0016 B	0.05 U	
0271	-AUG-86	0.1 U	0.05 U	0.002 U	0.1 U	0.005 U	0.005 U	84	0.1 U	0.01 U	0.11	0.025 U	53.4	0.088 U		
0271	11-MAR-87	0.029 U	0.06 U	0.01 U	0.1175	0.005 U	0.005 U	65.6058	0.2 U	0.01 U	0.022 U	0.0063 U	0.9181	0.005 U		
0271	09-APR-87	0.029 U	0.06 U	0.01 U	0.0748	0.005 U	0.005 U	66.4747	0.2 U	0.01 U	0.022 U	0.0063 U	0.0069 U	0.005 U		
0271	21-MAY-87	0.0643	0.06 U	0.01 U	0.0829	0.005 U	0.005 U	86.2693	0.2 U	0.01 U	0.022 U	0.0063 U	0.7071	0.019		
0271	02-JUL-87	0.0367	0.02 U	0.003 J	0.0909	0.005 U	0.001 U	95.630	0.02 U	0.01 U	0.022 U	0.0169	0.0132	0.005 U		
0271	26-FEB-88	0.029 U	0.02 U	0.005 U	0.1105	0.005 U	0.001 U	116.9765	0.02 U	0.01 U	0.022 U	0.0063 U	0.0172	0.005 U		
0271	21-APR-88	0.0359	0.034 U	0.005 U	0.1058	0.001 U	0.005 U	179.8336	0.02 U	0.0288	0.022 U	0.0084	0.0996	0.005 U	0.07 J	
0271	26-JUL-88	0.029 U	0.071	0.005 U	0.1196	0.001 U	0.005 U	201.1006	0.02 U	0.0134	0.022 U	0.0063 U	0.101	0.005 U	0.07 J	
0271	08-AUG-89	0.037 J	0.05 U	0.1207 J	0.002 U	0.005 U	0.005 U	173.4174	0.009 U	0.029 U	0.004 U	0.035 U				
0271	26-FEB-90	0.2 U	0.06 U	0.01 U	0.2 U	0.005 U	0.005 U	90	2.5 U	0.01 U	0.05 U	0.025 U	75.2	0.003 U	0.1 U	
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)	
0171	29-NOV-89	14.6	.121	.0003	.1 U	.04 U	5.0 U	.005 U	.01 U	16.5	1.0 U	.01 U	.1 U	.05 U	.02 U	
0171	23-FEB-90	15.6	0.0992	0.0002 U	0.1 U	0.04 U	5.0 U	0.005 U	0.01 U	17.7	0.527	0.01 U	0.1 U	0.05 U	0.02 U	
0171	17-APR-91	15.5	0.123	0.0002 U	0.003 U	0.004 U	1.56 BE	0.002 UN	0.0057 B	17.3	0.534	0.001 B	0.0259 B	0.0067 B	0.0085 B	
0171	10-SEP-91	14.8	0.095	0.0002 U	0.01 U	0.01 U	2.0 U	0.001 U	0.005 U	18	0.506	0.001 U	0.1 U	0.01 U		
0271	-AUG-86	12.5	0.8	0.00024	0.192	0.04 U	2.2	0.018	0.02	135	0.57	0.01 U	0.05 U	0.04 U		
0271	11-MAR-87	16.474	0.1551	0.0002 U	0.022 U	0.037 U	5.0 U	0.021	0.0076 U	187.0130	0.5942	0.01 U	0.024 U	0.04		
0271	09-APR-87	20.0582	0.0456	0.0002 U	0.022 U	0.037 U	5 U	0.03	0.0076 U	187.6075	0.607	0.01 U	0.024 U	0.04		
0271	21-MAY-87	22.6418	0.0428	0.0002 U	0.022 U	0.037 U	5 U	0.036	0.0076 U	195.6574	0.6492	0.01 U	0.024 U	0.0346		
0271	02-JUL-87	25.7632	0.0333	0.0003	0.022 U	0.037 U	2.6	0.026	0.0076 U	221.1795	0.8473	0.01 U	0.024 U	0.0351		
0271	26-FEB-88	34.9517	0.1469	0.0002 U	0.022 U	0.0478	2.7	0.03	0.0076 U	213.6941	1.0162	0.01 U	0.024 U	0.0209		
0271	21-APR-88	45.3643	0.0946	0.0002 U	0.022 U	0.05	2.1	0.04	0.0076 U	234.7011	1.2316	0.01 U	0.036 U	0.0522		
0271	26-JUL-88	17.722	0.1636	0.0002 U	0.022 U	0.037 U	2.4	0.028	0.0076 U	259.5513	1.4771	0.01 U	0.036 U	0.0411		
0271	08-AUG-89	43.6386	0.1094	0.0002 U	0.1 U	0.04 U	5.0 U	0.01 U	0.004 U	233.6380	1.6067	0.01 U	0.034 U	0.008 U		
0271	26-FEB-90	24.1	0.93	0.0002 U					0.01 U	236	0.77	0.01 U	0.1 U	0.05 U	0.02 U	

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Ground Water Dissolved Metal Results
903 Pad Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (AL)	Antimony (AL)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
0271	21-NOV-90	0.156 B	0.0523 B	0.002 U	0.114 BE	0.001 U	0.0053	324	0.076 U	0.0407	0.0142 B	0.0104 B	0.756	0.001 U	0.107
0271	19-APR-91	0.0698 B	0.006 U	0.002 U	0.127 B	0.001 U	0.002 U	237	0.112 U	0.003 U	0.003 U	0.011 U	53.2 *	0.001 U	0.121
0271	10-SEP-91	0.139 B	0.05 U	0.002 U	0.113 B	0.0042 B	0.003 U	260	0.5 U	0.005 U	0.01 U	0.01 U	39.5	0.0011 B	0.125
1187	18-SEP-87	0.029 U	0.02 U	0.005 U	0.1299	0.005 U	0.001 U	116.9472	0.02 U	0.01 U	0.022 U	0.0063 U	0.0069 U	0.003 J	0.07
1187	18-FEB-88	0.029 U	0.02 U	0.005 U	0.1049	0.005 U	0.001 U	98.4283	0.02 U	0.01 U	0.022 U	0.0063 U	0.0224	0.005 U	0.06 J
1187	01-DEC-89	.2 U	.06 U	.01 U	.2 U	.005 U	.005 U	90	2.5 U	.01 U	.025 U	.025 U	.1 U	.003 U	.1 U
1187	15-JUN-90	0.2 U	0.06 U	0.01 U	0.2 U	0.005 U	0.005 U	105	0.1 U	0.01 U	0.025 U	0.1 U	0.003 U	0.1 U	0.1 U
1187	28-NOV-90	0.0596 B	0.0318 B	0.002 U	0.0824 B	0.001 U	0.002 U	109	0.076 U	0.017	0.0043 B	0.0098 B	0.0997 B	0.001 UW	0.0566 B
1187	06-SEP-91	0.1 U	0.05 U	0.002 U	0.243	0.002 U	0.0051	98.2	0.5 U	0.005 U	0.01 U	0.01 U	0.05 U	0.0014 B	0.05 U
1287	02-SEP-87	0.0852	0.02 U	0.005 U	0.0843	0.005 U	0.0005 J	35.195	0.02 U	0.01 U	0.022 U	0.0063 U	0.0385	0.005 U	0.13
1287	26-FEB-88	0.029 U	0.02 U	0.005 U	0.0434	0.005 U	0.001 U	31.0631	0.02 U	0.01 U	0.022 U	0.0088	0.0169	0.005 U	0.11
1287	21-APR-88	0.047	0.034 U	0.005 U	0.0332	0.001 U	0.005 U	36.1776	0.02 U	0.01 U	0.022 U	0.0098	0.0811	0.005 U	0.1 U
1287	26-JUL-88	0.0351	0.034 U	0.005 U	0.0508	0.001 U	0.005 U	38.122	0.02 U	0.0561	0.022 U	0.0076	0.2085	0.005 U	0.05 U
1287	20-SEP-90	0.01 U	0.007 U	0.002 U	0.0321 B	0.001 U	0.002 U	28.6	0.092 U	0.005 U	0.003 U	0.002 UE	0.014 U	0.001 UN	0.07 B
Well Number	Date Sampled	Magnesium (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)	
0271	21-NOV-90	79.8 E	0.257	0.0002 U	0.0236 B	0.0408	3.14 BE	0.017 SN	0.0099 B	278 E	2.19 E	0.002 U	0.0508 B	0.0189 B	0.0092 B
0271	19-APR-91	64.6	1.05	0.0002 U	0.0081 B	0.0202 B	3.48 B	0.0117 S	0.002 U	304	1.69	0.001 U	0.01 U	0.0026 B	0.012 B
0271	10-SEP-91	71.2	0.894	0.0002 U	0.01 U	0.014 B	3.2 B	0.0024 B	0.005 U	270	1.89	0.001 U	0.1 U	0.01 U	0.0432
1187	18-SEP-87	29.0439	0.2596	0.0002 U	0.022 U	0.037 U	7.9	0.024	0.0076 U	51.3263	0.9591	0.01 U	0.024 U	0.02 U	
1187	18-FEB-88	28.3999	0.3933	0.0002 U	0.022 U	0.2561	4.5	0.01	0.0076 U	42.4361	0.9228	0.01 U	0.024 U	0.02 U	
1187	01-DEC-89	27.2	.132	.0002 U	.1 U	.0886	5.0 U	.01 U	.01 U	39	.987	.01 U	.1 U	.05 U	
1187	15-JUN-90	30.3	0.0211	0.0002 U	0.1 U	0.168	5.0 U	0.01 U	0.01 U	45	.894	0.01 U	0.1 U	0.05 U	
1187	28-NOV-90	30.1	0.0486	0.0002 U	0.0168 B	0.175	2.42 BE	0.01	0.0033 B	40.3 E	0.918	0.002 U	0.024 B	0.0088 B	0.0332
1187	06-SEP-91	19.1	0.016	0.0002 U	0.01 U	2.81 B	0.009	0.0081 B	36	0.915	0.001 U	0.1 U	0.01 U	0.0122 B	
1287	02-SEP-87	6.5848	0.1233	0.0002 U	0.022 U	0.1084	3.5	0.005 U	0.0076 U	213.3728	0.2646	0.01 U	0.024 U	0.021	
1287	26-FEB-88	7.1516	0.0447	0.0002 U	0.022 U	0.1154	1.3	0.002 J	0.0076 U	172.5999	0.2467	0.01 U	0.024 U	0.02 U	
1287	21-APR-88	7.5445	0.0078	0.0002 U	0.022 U	0.061	0.8	0.005 U	0.0076 U	179.5822	0.2582	0.005 U	0.036 U	0.0553	
1287	26-JUL-88	7.8634	0.0227	0.0002 U	0.022 U	0.0422	1.1	0.005 U	0.0076 U	193.4917	0.2735	0.01 U	0.036 U	0.02 U	
1287	20-SEP-90	6.55	0.001 U	0.0002 U	0.0124 B	0.004 U	0.934 B	0.01 UE	0.003 U	161	0.219	0.002 UN	0.135 B	0.002 U	0.0033 B

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Ground Water Dissolved Metal Results
903 Pad Area
Results reported in mg/l

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1287	28-NOV-90	0.0233 B	0.0138 B	0.002 U	0.0309 B	0.001 U	0.002 U	27.2	0.076 U	0.0058 B	0.003 U	0.002 U	0.0146 B	0.001 UW	0.0578 B
1287	09-SEP-91	0.1 U	0.05 U	0.002 U	0.1 U	0.002 U	0.0086	37.9	0.5 U	0.005 U	0.01 U	0.01 U	0.05 U	0.0014 B	0.0711 B
1487	01-SEP-87	0.5102	0.02 U	0.005 U	0.9321	0.005 U	0.001 U	408.4416	0.02 U	0.0399	0.022 U	0.009	0.069 U	0.005 U	0.05 J
1487	13-OCT-87	1.1972	0.029	0.005 U	0.1196	0.001 J	0.001 U	81.235	0.02 U	0.0382	0.022 U	0.009	0.0599	0.004 J	0.04 J
1487	01-MAR-88	0.1598	0.02 U	0.005 U	0.0297	0.005 U	0.001 U	7.5573	0.02 U	0.0207	0.022 U	0.0118	0.0366	0.005 U	0.06 J
1487	22-APR-88	0.1141	0.034 U	0.005 U	0.0269	0.001 U	0.005 U	6.0019	0.02 U	0.0252	0.022 U	0.0064	0.0172	0.005 U	0.06 J
1487	09-AUG-88	0.1238	0.034 U	0.005 U	0.0298	0.001 U	0.005 U	7.7025	0.02 U	0.01 U	0.022 U	0.009	0.0131 U	0.005 U	
1487	26-OCT-88	0.1008	0.034 U	0.005 U	0.0351	0.001 U	0.005 U	10.3618	0.02 U	0.0232	0.022 U	0.0063 U	0.012	0.005 U	
1487	25-JAN-89	0.0683 J	0.05 U	0.001 U	0.0684 J	0.002 U	0.005 U	27.1815	0.005 U	0.0184	0.029 U	0.0048 J	0.035 U	0.001 U	
1487	25-APR-89	0.0228 J	0.05 U	.0016 J	0.0238 J	0.002 U	0.005 U	7.5733	.2 U	0.0179	0.029 U	0.0084 J	0.035 U	.001 U	
1487	03-AUG-89	0.0605 J	0.05 U	0.0537 J	0.002 U	0.005 U	14.4856		0.0109	0.029 U	0.004 U	0.035 U			
1487	25-JAN-90	0.084 U	0.022 U	0.002 U	0.085 B	0.001 U	0.003 U	56		0.0035 B	0.004 U	0.005 U	0.044 U	0.003 UN	
1487	18-SEP-90	0.0363 B	0.007 U	0.002 B	0.0817	0.001 U	0.002 U	37.3 E	0.092 U	0.005 U	0.003 U	0.002 U	0.014 U	0.001 UN	0.1
1487	20-NOV-90	0.0324 B	0.022 U	0.001 U	0.0897 B	0.001 U	0.005 U	45.8	0.5 U	0.004 U	0.004 U	0.005 U	0.006 B	0.001 U	0.103
1287	28-NOV-90	6.09	0.001 U	0.0002 U	0.013 B	0.004 U	1.0 BE	0.001 BW	0.003 U	147 E	0.201	0.002 U	0.007 U	0.002 U	0.0261
1287	09-SEP-91	7.96	0.005 U	0.0002 U	0.01 U	0.01 U	2.0 U	0.0017 B	0.005 U	137	0.266	0.001 U	0.1 U	0.01 U	0.0503
1487	01-SEP-87	0.0295	0.0051 U	0.0002 U	0.022 U	0.037 U	31	0.005 U	0.0076 U	96.2131	7.7076	0.01 U	0.024 U	0.02 U	
1487	13-OCT-87	0.1458	0.0051 U	0.0002 U	0.022 U	0.037 U	12.3	0.011	0.0076 U	76.9625	1.4379	0.01 U	0.0915	0.02 U	
1487	01-MAR-88	1.3191	0.0051 U	0.0002 U	0.022 U	0.037 U	8	0.012	0.0076 U	77.9638	0.3449	0.01 U	0.0686	0.0295	
1487	22-APR-88	4.038	0.0051 U	0.0002 U	0.022 U	0.037 U	7.9	0.013	0.0076 U	84.0615	0.3095	0.01 U	0.0412	0.02 U	
1487	09-AUG-88	7.5092	0.0051 U	0.0002 U	0.022 U	0.037 U	6.7	0.014	0.0076 U	85.1056	0.3517	0.01 U	0.036 U	0.0255	
1487	26-OCT-88	8.5727	0.0051 U	0.0002 U	0.022 U	0.037 U	7.3	0.005 U	0.0076 U	88.897	0.4643	0.01 U	0.036 U	0.0293	
1487	25-JAN-89	12.9274	0.002 U	0.0002 U	0.027 U	0.022 U	4.75 B	.0166	0.004 U	81.7647	0.6635	0.001 U	0.034 U	0.0109 J	
1487	25-APR-89	10.3762	0.002 U	.0002 U	0.027 U	0.022 U	5.33	0.014	0.004 U	89.4522	0.4122	.001	0.034 U	0.008 U	
1487	03-AUG-89	11.8479	0.002 U	0.002 U	0.027 U	0.022 U			0.004 U	80.3288	0.4839		0.034 U	0.008 U	
1487	25-JAN-90	17.6	0.002 *	0.0002 U	0.0122	0.007 U	3.43 B	0.0122	0.003 U	81.1		0.004 UN	0.0227 B	0.0141 B	
1487	18-SEP-90	14.1 E	0.001 U	0.0002 U	0.0074 B	0.004 U	3.68 B	0.011	0.003 U	83.7 E	0.621 E	0.003 U	0.0227 B	0.0146 B	0.0024 B
1487	20-NOV-90	17.4	0.0014 B	0.0002 U	0.009 U	0.009 U	3.21 B	0.0101	0.003 U	86.8	0.713	0.002 U	0.0345 B	0.0129 B	0.0183 B

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903 Pad Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
1487	11-JAN-91	0.0557 B	0.0151 B	0.002 U	0.0771 B	0.001 U	0.002 U	46.3 E	0.076 U	0.0093 B	0.003 U	0.002 U	0.0416 B	0.001 UW	0.0852 B
1487	15-APR-91	0.0457 B	0.013 B	0.002 U	0.0795 B	0.001 U	0.002 U	47.5	0.112 U	0.0068 B	0.003 U	0.0027 B	0.0783 B	0.001 U	0.11
1487	05-SEP-91			0.002 U											0.0027 B
1587	01-MAR-88	0.0449	0.019	0.005 U	0.1807	0.003 J	0.001 U	117.2322	0.02 U	0.038	0.022 U	0.0063 U	0.0285	0.005 U	0.1 U
1587	21-APR-88	0.0499	0.034 U	0.005 U	0.1561	0.001 U	0.005 U	125.8376	0.02 U	0.01 U	0.022 U	0.0115	0.0487	0.005 U	0.1 U
1587	03-AUG-89	0.0316 J	0.05 U		0.1358 J	0.002 U	0.005 U	92.7538		0.009 U	0.029 U	0.0042 J	0.035 U		
1587	04-DEC-89	.2 U	.06 U	.01 U	.2 U	.005 U	.005 U	113	2.5 U	.01 U	.025 U	.025 U	.01 U	.003 U	.1 U
1587	27-NOV-90	0.0665 B	0.0261 B	0.002 UN	0.156 B	0.001 U	0.002 U	120	0.076 U	0.0213	0.0044 B	0.0068 B	0.014 U	0.001 U	0.0055 B
1587	15-APR-91	0.0636 B	0.014 B	0.002 U	0.142 B	0.001 U	0.002 U	105	0.112 U	0.0069 B	0.003 U	0.0026 B	0.0664 B	0.001 U	0.0297 B
1687	10-SEP-87	0.029 U	0.02 U	0.005 U	0.0613	0.005 U	0.001 U	26.8178	0.02 U	0.022 U	0.022 U	0.0063 U	0.0669 U	0.005 U	0.03 J
1687	17-OCT-87	0.0876			0.0354				20.5145		0.0278	0.022 U	0.0063 U	0.1371	
1687	01-MAR-88	0.0814	0.02 U	0.004 J	0.0786	0.005 U	0.001 U	18.482	0.02 U	0.022 U	0.0074	0.0644	0.005 U	0.05 J	
1687	22-APR-88	0.0485	0.034 U	0.003 J	0.0456	0.001 U	0.005 U	24.7026	0.02 U	0.022 U	0.0063 U	0.086	0.005 U	0.1 U	
1687	10-AUG-88	0.0433	0.034 U	0.005 U	0.028	0.001 U	0.005 U	26.4029	0.02 U	0.0114	0.022 U	0.0108	0.0219	0.005 U	
Well Number	Date	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
1487	11-JAN-91	17.5 E	0.001 U	0.0002 U	0.0083 B	0.004 U	3.49 B	0.009 S	0.003 U	89.9	0.7 E	0.003 U	0.011 U	0.0157 B	0.0171 B
1487	15-APR-91	18.2	0.001 U	0.0002 U	0.0035 B	0.004 U	3.22 BE	0.0131	0.0042 B	84.4	0.732	0.001 B	0.0213 B	0.0152 B	0.0066 B
1487	05-SEP-91			0.0002 U	0.01 U			0.0087			0.751	0.001 U	0.1 U		
1587	01-MAR-88	11.1265	0.0394	0.0002 U	0.022 U	0.037 U	0.8	0.005 U	0.0424	11.9562	0.4859	0.01 U		0.024 U	0.0361
1587	21-APR-88	10.5472	0.0051 U	0.0002 U	0.022 U	0.037 U	0.7	0.005 U	0.0076 U	8.5874	0.4283	0.01 U		0.036 U	0.0712
1587	03-AUG-89	7.8672	0.002 U		0.027 U	0.022 U			0.004 U	9.6778	0.3557			0.034 U	0.008 U
1587	04-DEC-89	10	.015 U	.0002	.1 U	.04 U	5.0 U	.005 U	.01 U	10.6	.488	.01 U	.1 U	.05 U	.02 U
1587	27-NOV-90	10.1	0.001 U	0.0002 U	0.0076 B	0.0068 B	0.91 B	0.001 BN	0.0076 B	7.87	0.411	0.002	0.001 B	0.0111 B	0.011 B
1587	15-APR-91	9.11	0.001 U	0.0002 U	0.003 U	0.004 U	0.972 BE	0.002 UN	0.0054 B	8.75	0.39	0.001 UW	0.0205 B	0.0075 B	0.0207
1687	10-SEP-87	1.7509	0.0051 U	0.0002 U	0.0367	0.037 U	5.6	0.005 U	0.0076 U	61.3752	0.2202	0.01 U		0.024 U	0.02 U
1687	17-OCT-87	2.644	0.0051 U		0.025	0.037 U			0.0076 U	60.8289	0.2522			0.0256	0.02 U
1687	01-MAR-88	3.5174	0.0051 U	0.0002 U	0.0295	0.037 U	8.1	0.002 J	0.0076 U	67.622	0.2834	0.01 U		0.024 U	0.02 U
1687	22-APR-88	4.7883	0.0051 U	0.0002 U	0.022 U	0.037 U	4.2	0.004 J	0.0076 U	66.4353	0.3042	0.01 U		0.036 U	0.02 U
1687	10-AUG-88	4.9487	0.0072	0.0002 U	0.0225	0.037 U	4	0.005 U	0.0076 U	72.4248	0.2867	0.01 U		0.036 U	0.02 U

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Ground Water Dissolved Metal Results
903 Pad Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Al)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
1687	31-OCT-88	0.0474	0.034 U	0.005 U	0.0423	0.001 U	0.005 U	25.593	0.02 U	0.0121	0.022 U	0.0063 U	0.0131		
1687	07-FEB-89	0.0455 J	0.05 U	.0028 J	0.0442 J	0.002 U	0.005 U	29.3102	0.005 U	0.0123	0.029 U	0.004 U	0.0652 J	0.001 U	
1687	02-MAY-89	0.0296 J	0.05 U	.0028 J	0.0447 J	0.002 U	0.005 U	28.8328	.2 U	0.009 U	0.029 U	0.004 U	0.035 U	.001 U	
1687	03-AUG-89	0.026 J	0.05 U		0.0285 J	0.002 U	0.005 U	30.392		0.0097 J	0.029 U	0.0397	0.035 U		
1687	06-NOV-89	.2 U	.06 U	.01 U	.2 U	.005 U	.005 U	29.8	.25 U	.01 U	.05 U	.025 U	.1 U	.003 U	
1687	17-MAR-90	0.035 U	0.026 U	0.002 U	0.0551 B	0.001 U	0.002 U	31.3	0.05 U	0.005 U	0.004 U	0.005 U	0.0102 B	0.0011 B	
1687	28-NOV-90	0.0287 B	0.0097 B	0.002 U	0.0675 B	0.001 U	0.002 U	31	0.076 U	0.005 U	0.003 U	0.002 U	0.014 U	0.001 UW	
1687	09-JAN-91	0.0288 B	0.0153 B	0.002 B	0.0704	0.001 U	0.002 U	31.5	0.1 B	0.0057 B	0.003 U	0.0043 B	0.0092 B	0.001 U	
1687	16-APR-91	0.0385 B	0.0084 B	0.002 U	0.0775 B	0.001 U	0.002 U	33.5	0.112 U	0.005 U	0.003 U	0.002 U	0.0127 B	0.001 U	
1687	05-SEP-91			0.002 U				0.5 U					0.0017 B	0.05 U	
Well Number	Date	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
1687	31-OCT-88	4.9047	0.0051 U	0.0002 U	0.0228	0.037 U	4	0.005 U	0.0076 U	71.7637	0.3337	0.01 U		0.036 U	0.0242
1687	07-FEB-89	6.0696	0.0063 J	0.0002 U	0.027 U	0.022 U	3.25 J	.0014 J	0.004 U	73.5594	0.3652	0.001 U		0.034 U	0.017 J
1687	02-MAY-89	5.9691	0.0057 J	.0002 U	0.027 U	0.022 U	3.15 J	.001 U	0.004 U	70.4771	0.3453	.001 U		0.034 U	0.008 U
1687	03-AUG-89	6.5807	0.0121 J	0.027 U	0.022 U	0.027 U			0.004 U	76.0211	0.3603			0.034 U	0.0169 J
1687	06-NOV-89	5.73	.06392	.0002 U	.1 U	.04 U	5.0 U	.005 U	.01 U	66	.302	.01 U	.1 U	.05 U	.0315
1687	17-MAR-90	6.24	0.0128 B	0.0002 U	0.035 U	0.006 U	2.89 B	0.003 U	0.006 U	76.2	.38	0.001 UN	0.025 U	0.006 U	0.0178 B
1687	28-NOV-90	6.89	0.0034 B	0.0002 U	0.0177 B	0.004 U	3.12 BE	0.002 BW	0.003 U	67.9 E	0.3558	0.002 U	0.007 U	0.002 U	0.0235
1687	09-JAN-91	6.97	0.0018 B	0.0002 U	0.0232 B	0.004 U	2.74 B	0.002 B	0.003 U	78.4	0.377 E	0.001 U	0.0199 B	0.0044 B	0.0144 B
1687	16-APR-91	7.43	0.0022 B	0.0002 U	0.0122 B	0.004 U	2.92 BE	0.002 UN	0.003 B	78.6	0.395	0.001 U	0.011 U	0.0039 B	0.0093 B
1687	05-SEP-91			0.0002 U	0.0129 B			0.001 U			0.379	0.001 U	0.1 U		

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Ground Water Dissolved Metal Results
Mound Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
0174	-AUG-86	0.1 U	0.002 U	0.1 U	0.0097 U	0.005 U	105	0.1 U	0.01 U	0.05 U	0.02 U	0.03 U	0.005 U	0.005 U	
0174	11-MAR-87	0.029 U	0.06 U	0.01 U	0.1854	0.005 U	107.6955	0.2 U	0.01 U	0.022 U	0.0063 U	0.0069 U	0.005 U	0.005 U	
0174	22-MAY-87	0.0655	0.06 U	0.01 U	0.1781	0.005 U	115.7480	0.2 U	0.01 U	0.022 U	0.0063 U	0.0333	0.008		
0174	23-JUL-87	0.029 U	0.02 U	0.005 U	0.183	0.005 U	105.9773	0.02 U	0.01 U	0.022 U	0.0072	0.0069 U	0.005 U		
0174	22-OCT-87	0.0401	0.02 U	0.005 U	0.1829	0.005 U	100.001 U	88.1974	0.02 U	0.0134	0.022 U	0.0138	0.0572	0.007	J
0174	04-MAR-88	0.029 U	0.02 U	0.005 U	0.1743	0.005 U	100.001 U	93.5185	0.02 U	0.01 U	0.022 U	0.0063 U	0.0148	0.005 U	0.1 J
0174	29-APR-88	0.0293	0.034 U	0.005 U	0.1657	0.001 U	100.005 U	94.0876	0.02 U	0.01 U	0.022 U	0.0063 U	0.0096	0.005 U	0.1 U
0174	16-AUG-88	0.029 U	0.034 U	0.005 U	0.1872	0.001 U	100.005 U	95.1219	0.02 U	0.01 U	0.022 U	0.0148	0.0141	0.005 U	
0174	04-NOV-88	0.0336	0.0342	0.005 U	0.1762	0.001 U	100.005 U	95.6792	0.02 U	0.01 U	0.022 U	0.0063 U	0.0114	0.005 U	
0174	04-MAY-89	0.0349 J	0.05 U	0.001 U	0.1705 J	0.002 U	100.005 U	87.7258	0.2 U	0.009 U	0.029 U	0.004 U	0.035 U	0.001 U	
0174	17-NOV-89	.2 U	.06 U	.01 U	.2 U	.005 U	100.005 U	76.9	2.5 U	.01 U	.025 U	.1 U	.003 U	.1 U	
0174	09-FEB-90	.2 U	.06 U	.01 U	.2 U	.005 U	100.005 U	92.2	1.0 U	.01 U	.025 U	.1 U	.005 U	.1 U	
0174	05-MAY-90	0.0221 U	0.0176 U	0.0016 U	0.179 B	0.0026 U	100.0036 U	96	0.0049 U	0.0044 U	0.0063 B	0.0246 B	0.0013 U	0.0098 B	
0174	15-NOV-90	0.0389 B	0.022 U	0.001 U	0.167 B	0.001 U	100.005 U	98.9	0.5 U	0.004 U	0.004 U	0.005 U	0.003 U	0.001 U	0.01 U
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
0174	-AUG-86	32	0.34	0.0002 U	0.1 U	0.04 U	3.8	0.002 U	0.01 U	106	0.83	0.01 U	0.05 U	0.02 U	
0174	11-MAR-87	14.7324	0.0051 U	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	8.7453	0.5391	0.01 U	0.024 U	0.06	
0174	22-MAY-87	15.2694	0.0111	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	13.1215	0.5225	0.01 U	0.024 U	0.0335	
0174	23-JUL-87	13.5031	0.006	0.0002	0.022 U	0.037 U	0.8	0.005 U	0.0076 U	9.0118	0.5248	0.01 U	0.024 U	0.02 U	
0174	22-OCT-87	13.3081	0.0129	0.0002 U	0.022 U	0.037 U	0.9	0.005 U	0.0076 U	9.2626	0.4916	0.01 U	0.024 U	0.02	
0174	04-MAR-88	12.7267	0.0059	0.0002 U	0.022 U	0.037 U	0.6	0.005 U	0.0076 U	8.1078	0.4881	0.01 U	0.024 U	0.0824	
0174	29-APR-88	13.0194	0.0051 U	0.0002 U	0.022 U	0.037 U	1.3	0.005 U	0.0076 U	7.6229	0.48	0.01 U	0.036 U	0.02 U	
0174	16-AUG-88	13.7248	0.0143	0.0002 U	0.022 U	0.037 U	0.8	0.005 U	0.0076 U	9.2674	0.4925	0.01 U	0.036 U	0.0486	
0174	04-NOV-88	13.4172	0.0245	0.0002 U	0.022 U	0.037 U	0.5 U	0.005 U	0.0076 U	10.6527	0.5475	0.01 U	0.036 U	0.0207	
0174	04-MAY-89	12.9147	0.008 J	0.0002 U	0.027 U	0.027 U	0.72 J	0.001 U	0.004 U	8.2184	0.4941	0.001 U	0.034 U	0.008 U	
0174	17-NOV-89	13.1	.0168	.0002 U	.1 U	.04 U	5.0 U	.005 U	.01 U	8.66	.458	.01 U	.1 U	.0228	
0174	09-FEB-90	12.6	.0115 U	.0002	.1 U	.04 U	5.0 U	.005 U	.01 U	7.98	1.0 U	.01 U	.05 U	.02 U	
0174	05-MAY-90	14.8	0.0096 B	0.0002 U	0.0174 U	0.0055 U	0.71 B	0.0012 U	0.0044 U	8.23	0.524 B	0.0011 U	0.0232 U	0.0023 U	0.009 U
0174	15-NOV-90	13.9	0.0165	0.0002 U	0.009 U	0.009 U	1.88 B	0.002 U	0.0065 B	8.75	0.455	0.002 U	0.03 U	0.0086 B	0.0359

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0174	10-MAY-91	0.0378	0.0083 B	0.002 U	0.169 B	0.001 U	0.002 U	89.9	0.17 B	0.0038 B	0.003 U	0.011 U	0.001 U	0.0059 B	
0174	15-AUG-91	0.0446 B	0.008 U	0.002 U	0.109 BE	0.001 U	0.001 B	58.3	0.032 U	0.009 B	0.002 U	0.0073 B	0.002 U	0.001 U	0.006 B
1787	06-NOV-87	0.0306			0.1587			93.1877		0.0109	0.022 U	0.4235	0.0523		
1787	04-MAR-88	0.0386	0.02 U	0.005 U	0.1539	0.005 U	0.001 U	112.4856	0.02 U	0.01 U	0.022 U	0.4122	0.0229	0.005 U	0.1 U
1787	29-APR-88	0.0315	0.034 U	0.005 U	0.1113	0.001 U	0.005 U	100.2637	0.02 U	0.01 U	0.022 U	0.0243	0.012 U	0.005 U	0.1 U
1787	16-AUG-88	0.029 U	0.034 U	0.005 U	0.1194	0.001 U	0.005 U	108.9453	0.02 U	0.01 U	0.022 U	0.0491	0.0227	0.004 J	
1787	04-NOV-88	0.0348	0.034 U	0.005 U	0.1392	0.001 U	0.005 U	116.4230	0.02 U	0.01 U	0.022 U	0.0311	0.0115	0.005 U	
1787	07-FEB-89	0.015 U	0.05 U	0.001 U	0.1175 J	0.002 U	0.005 U	103.1198	0.005 U	0.009 U	0.029 U	0.0322	0.0352 J	0.001 U	
1787	04-MAY-89	0.0212 J	0.05 U	0.001 U	0.1224 J	0.002 U	0.005 U	105.4508	0.2 U	0.009 U	0.029 U	0.0161 J	0.035 U	0.001 U	
1787	01-NOV-89	.2 U	.06 U	.01 U	.2 U	.005 U	.005 U	117	1.0 U	.01 U	.05 U	.0268	.1 U	.005 U	.1 U
1787	06-NOV-90	0.0794 B	0.022 U	0.001 U	0.154 B	0.001 U	0.005 U	136	0.5 U	0.004 U	0.004 U	0.0663 B	0.001 U	0.01 U	
1787	13-MAY-91	0.0752 B	0.0395 B	0.002 U	0.13 B	0.001 U	0.002 U	111	0.112 U	0.0045 B	0.003 U	0.0403 B	0.001 U	0.0046 B	
1787	19-AUG-91	0.0615 B	0.008 U	0.002 U	0.126 BE	0.001 U	0.001 U	109	0.04 B	0.0095 B	0.002 U	0.0043 B	0.002 U	0.001 U	0.0055 B
1887	08-MAR-88	0.0879	0.02 U	0.003 J	0.1084	0.005 U	0.001 U	12.326	0.02 U	0.0118	0.022 U	0.0379	0.0631	0.005 U	0.1 U
Well Number	Date Sampled	Magnesium (Mg)	Mercury (Hg)	Manganese (Mg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
0174	10-MAY-91	13.3	0.0097 B	0.0002 U	0.0002 U	0.003 U	0.654 B	0.002 U	0.002 U	8.56	0.48	0.001 UW	0.01 U	0.002 U	0.0126 B
0174	15-AUG-91	8.42	0.007 B	0.0002 U	0.0003 U	0.003 U	0.48 B	0.001 BW	0.003 B	5.37	0.319	0.002 U	0.014 U	0.0046 B	0.009 B
1787	06-NOV-87	13.3333	1.2694		0.022 U	0.6874			0.0076 U	28.5863	0.5982			0.024 U	2.5552
1787	04-MAR-88	12.7983	0.1831	0.0002 U	0.002 U	0.521	7	0.005 U	0.0076 U	22.361	0.5903	0.01 U		0.024 U	1.5316
1787	29-APR-88	11.0176	0.1274	0.0002 U	0.022 U	0.2815	5.2	0.005 U	0.0076 U	17.8911	0.4885	0.01 U		0.036 U	0.1802
1787	16-AUG-88	10.0232	0.0979	0.0002 U	0.022 U	0.2888	3.9	0.005 U	0.0076 U	24.3427	0.4557	0.01 U		0.036 U	0.14
1787	04-NOV-88	10.1223	0.0424	0.0002 U	0.022 U	0.0767	3.4	0.005 U	0.0076 U	24.3438	0.5284	0.01 U		0.036 U	0.1056
1787	07-FEB-89	9.4357	0.0288	0.0002 U	0.027 U	0.0536	2.85 J	0.001 U	0.004 U	26.6036	0.4518	0.001 U		0.034 U	0.0579
1787	04-MAY-89	9.4895	0.0025 J	.0002 U	0.027 U	0.0466	2.64 J	0.001 U	0.004 U	16.490	0.4517	0.001 U		0.034 U	0.0267
1787	01-NOV-89	10.9	.015 U	.0002 U	.1 U	.25	5.0 U	.005 U	.01 U	14.5	1.0 U	.01 U		.1 U	.02 U
1787	06-NOV-90	11.6	0.0047 B	0.0002 U	0.009 U	0.009 B	2.6 B	0.0027 B	0.0077 B	17.2	0.446	0.002 U	0.0517 B	0.01 B	0.0045 B
1787	13-MAY-91	9.81	0.0026 B	0.0002 U	0.0075 B	0.0076 B	1.69 B	0.001 U	0.002 U	14.8	0.441	0.001 UW	0.0888 B	0.002 U	0.0325
1787	19-AUG-91	9.3	0.001 U	0.0002 U	0.0055 B	0.0104 B	1.7 B	0.001 B	0.002 U	14.3	0.438	0.002 U	0.014 U	0.0055 B	0.0098 B
1887	08-MAR-88	1.1415	0.1154	0.0002 U	0.0286	0.0661	0.8	0.003 J	0.0103	22.8139	0.1107	0.01 U		0.024 U	0.0279

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*=Duplicate analysis not within control limits

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Ground Water Dissolved Metal Results
Mound Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Al)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
2087	07-MAR-88	0.2556	0.02 U	0.007	0.0246	0.005 U	0.001 U	18.8844	0.02 U	0.01 U	0.022 U	0.007	0.0344	0.005 U	0.1 U
2387	22-OCT-87	0.1725			0.1632			94.3186		0.0676	0.022 U	0.0063 U	0.1942		
2387	03-MAR-88	0.0969	0.02 U	0.005 U	0.1949	0.005 U	0.001 U	130.1240	0.02 U	0.01 U	0.022 U	0.0063 U	0.0333	0.005 U	0.1 U
2387	28-APR-88	0.029 U	0.034 U	0.005 U	0.1625	0.001 U	0.005 U	115.0052	0.02 U	0.01 U	0.022 U	0.0063 U	0.0135	0.005 U	0.1 U
2387	12-AUG-88	0.029 U	0.034 U	0.005 U	0.1538	0.001 U	0.005 U	115.5801	0.02 U	0.01 U	0.022 U	0.0153	0.0184	0.005 U	
2387	04-NOV-88	0.029 U	0.034 U	0.005 U	0.1693	0.001 U	0.005 U	120.6239	0.02 U	0.01 U	0.022 U	0.0063 U	0.0238	0.005 U	
2387	07-FEB-89	0.0192 J	0.05 U	0.001 U	0.1731 J	0.002 U	0.005 U	118.1832	0.005 U	0.009 U	0.029 U	0.004 U	0.035 U	0.001 U	
2387	04-MAY-89	0.0363 J	0.05 U	0.001 U	0.1656 J	0.002 U	0.005 U	111.1179	0.2 U	0.009 U	0.029 U	0.004 U	0.035 U	0.001 U	
2387	04-DEC-89	.2 U	.06 U	.01 U	.2 U	.005 U	.005 U	115	2.5 U	.01 U	.05 U	.025 U	.1 U	.003 U	.1 U
2387	20-FEB-90	0.2 U	0.06 U	0.01 U	0.2 U	0.005 U	0.005 U	126	2.5 U	0.01 U	0.05 U	0.025 U	0.1 U	0.003 U	0.1 U
2387	01-JUN-90	0.2 U	0.06 U	0.01 U	0.2 U	0.005 U	0.005 U	119	0.1 U	0.01 U	0.05 U	0.025 U	0.1 U	0.003 U	0.1 U
2387	09-NOV-90	0.0852 B	0.03 U	0.002 U	0.163 B	0.001 U	0.005 U	118	0.2 UW	0.01 U	0.02 U	0.0104 B	0.0277 B	0.002 UW	0.005 U
2387	08-MAR-91	0.0596 B	0.008 U	0.002 UW	0.181 B	0.001 U	0.002 U	119	0.076 U	0.005 U	0.003 U	0.002 U	0.0245 B	0.001 UW	0.0048 B
2387	19-APR-91	0.0198 B	0.006 U	0.002 U	0.186 B	0.001 U	0.002 U	128	0.112 U	0.003 U	0.011 U	0.007 U*	0.001 U	0.002 U	
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Nickel (Mo)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)		Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
2087	07-MAR-88	0.0342	0.0051 U	0.0002 U	0.057	0.037 U	28	0.004 J	0.0076 U	84.4416	0.4473	0.01 U		0.0377	0.0252
2387	22-OCT-87	12.8861	0.2422	0.022 U	0.022 U	0.037 U			0.0076 U	8.8855	0.5299		0.0282	0.0301	
2387	03-MAR-88	13.8849	0.1289	0.0002 U	0.022 U	0.037 U	1.7	0.005 U	0.0076 U	9.6792	0.6205	0.01 U	0.024 U	0.02 U	
2387	28-APR-88	13.4011	0.072	0.0002 U	0.022 U	0.0558	1.6	0.005 U	0.0076 U	8.0978	0.5278	0.01 U	0.036 U	0.0221	
2387	12-AUG-88	12.5021	0.0112	0.0002 U	0.022 U	0.037 U	2	0.005 U	0.0076 U	9.5551	0.5112	0.01 U	0.036 U	0.054	
2387	04-NOV-88	12.9893	0.0178	0.0002 U	0.022 U	0.037 U	1.2	0.005 U	0.0076 U	10.9816	0.603	0.01 U	0.036 U	0.0237	
2387	07-FEB-89	12.9433	0.0043 J	0.0002 U	0.027 U	0.0347 J	1.65 J	0.0011 J	0.004 U	9.5888	0.568	0.001 U	0.034 U	0.0082 J	
2387	04-MAY-89	12.9947	0.0046 J	.0002 U	0.027 U	0.022 U	1.66 J	0.001 U	0.004 U	10.2186	0.5537	0.001 U	0.034 U	0.008 U	
2387	04-DEC-89	13.4	.0163	.0002 U	.1 U	.0492	5.0 U	.005 U	.01 U	9.23	.622	.01 U	.05 U	.02 U	
2387	20-FEB-90	14.5	0.015 U	0.0002 U	0.1 U	0.04 U	5.0 U	0.005 U	0.01 U	9.19	0.581	0.01 U	0.05 U	0.02 U	
2387	01-JUN-90	13.9	0.015 U	0.0002 U	0.1 U	0.04 U	5.0 U	0.005 U	0.01 U	10.6	0.548	0.01 U	0.05 U	0.064	
2387	09-NOV-90	12.7	0.002 B	0.0002 U	0.01 U	0.02 U	1.11 B	0.004 UW	0.005 U	10.2	0.54	0.002 U	0.02 U	0.0366	
2387	08-MAR-91	13.9	0.0015 B	0.0002 U	0.003 U	0.004 U	1.3 BE	0.002 UN	0.003 U	10.1	0.55	0.001 U	0.011 U	0.0034 B	
2387	19-APR-91	14.1	0.001 U	0.0002 U	0.002 U	0.003 U	1.22 B	0.002 U	0.002 U	11.3	0.574	0.001 UN	0.01 U	0.002 U	

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Ground Water Dissolved Metal Results
Mound Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
2387	19-AUG-91	0.0693 B	0.008 U	0.002 U	0.169 BE	0.001 U	0.001 U	1.11	0.05 B	0.0085 B	0.002 U	0.004 B	0.002 U	0.001 U	0.0051 B
4386	11-MAR-87	0.029 U	0.06 U	0.01 U	0.0994	0.005 U	0.005 U	90.8264	0.2 U	0.01 U	0.022 U	0.0063 U	0.0069 U	0.005 U	
4386	03-JUN-87	0.029 U	0.06 U	0.01 U	0.1065	0.005 U	0.005 U	68.0295	0.2 U	0.01 U	0.022 U	0.0063 U	0.0126	0.005 U	
4386	28-JUL-87	0.0412	0.02 U	0.005 U	0.1602	0.005 U	0.0004 J	94.7105	0.02 U	0.01 U	0.022 U	0.0063 U	0.0159	0.005 U	
4386	05-JUN-90	0.229	0.06 U	0.01 U	0.2 U	0.005 U	0.005 U	90.3	0.1 U	0.01 U	0.025 U	0.1 U	0.003 U	0.1 U	
4386	20-AUG-91	0.0575 B	0.025 B	0.002 U	0.132 BE	0.001 U	0.001 U	88.9	0.06 B	0.0104	0.002 U	0.0068 B	0.0147 B	0.001 U	0.0039 B
Well Number	Date	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
2387	19-AUG-91	12.2	0.001 U	0.0002 U	0.003 U	0.003 U	1.14 B	0.001 B	0.002 U	9.68	0.517	0.002 U	0.014 U	0.0053 B	0.0045 B
4386	11-MAR-87	10.5382	0.0051 U	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	13.5408	0.4313	0.01 U	0.024 U	0.04	
4386	03-JUN-87	6.7585	0.0051 U	0.0002 U	0.0238	0.037 U	5 U	0.005 U	0.0076 U	8.1228	0.3216	0.01 U	0.024 U	0.02 U	
4386	28-JUL-87	7.9498	0.0054	0.0002 U	0.022 U	0.037 U	1.3	0.005 U	0.0076 U	14.1637	0.3888	0.01 U	0.024 U	0.0219	
4386	05-JUN-90	10.3	0.015 U	0.0002 U	0.1 U	0.04 U	5.0 U	0.005 U	0.01 U	7.09	0.473	0.01 U	0.1 U	0.05 U	0.02 U
4386	20-AUG-91	10.5	0.001 U	0.0002 U	0.0101 B	0.003 U	1.34 BE	0.002 U	0.002 U	8.86	0.447	0.002 U	0.0272 B	0.0057 B	0.0172 B

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Ground Water Dissolved Metal Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
0286	11-MAY-87	0.029 U	0.06 U	0.01 U	0.1158	0.005 U	0.005 U	92.966	0.2 U	0.01 U	0.022 U	0.0065	0.0069 U	0.005 U	
0286	01-JUN-87	0.0449	0.06 U	0.01 U	0.1113	0.005 U	0.005 U	110.1033	0.2 U	0.01 U	0.022 U	0.0063	0.0069 U	0.005 U	
0286	21-JUL-87	0.029 U	0.02 U	0.005 U	0.1166	0.005 U	0.001 U	70.9315	0.02 U	0.01 U	0.022 U	0.0121	0.0069 U	0.005 U	
0286	31-MAR-88	0.029 U	0.0373	0.005 U	0.0695	0.001 U	0.005 U	69.5858	0.02 U	0.01 U	0.022 U	0.0063	0.0069 U	0.005 U	
0286	03-JUN-88	0.1247	0.1973	0.005 U	0.0823	0.001 U	0.005 U	77.3296	0.02 U	0.0154	0.022 U	0.0063	0.0429	0.005 U	
0286	27-JUN-89	.00004 B	.00005 U	.00008 B	.00002 U	0.005 U	0.005 U	.037208	0.009 U	.00003 U	0.004 U	.00003 U	.00003 U	.00003 U	
0286	11-JUL-89	.27	.06 U	.01 U	.2 U	.005 U	.005 U	33.7	1.0 U	.01 U	.025 U	.249	.005 U	.685	
0286	19-MAR-90	0.0587	0.026 U	0.0023 B	0.11 B	0.001 U	0.002 UN	60.2	0.05 B	0.005 U	0.004 U	0.0072 B	0.0357 B	0.001 U	0.0312 B
0286	07-JUN-90	0.2224	0.06 U	0.01 U	0.2 U	0.005 U	0.005 U	52.1	0.1 U	0.01 U	0.05 U	0.025 U	0.1 U	0.003 U	0.1 U
0286	19-JUN-91	0.0395 B	0.0875	0.002 U	0.102 BE	0.001 U	0.0021 B	42	0.112 U	0.0078 B	0.003 U	0.011 U	0.0174 B	0.001 UW	0.1
0374	-AUG-86	0.1 U	0.05 U	0.002 U	0.1 U	0.0097	0.005 U	25.5	0.1 U	0.01 U	0.05 U	0.02 U	0.03 U	0.005 U	
0374	17-MAR-87	0.3854	0.06 U	0.01 U	0.2881	0.005 U	0.005 U	134.7004	0.2 U	0.01 U	0.022 U	0.0085	0.058	0.005 U	
0374	03-JUN-87	0.029 U	0.06 U	0.01 U	0.2045	0.005 U	0.005 U	111.5307	0.2 U	0.01 U	0.022 U	0.0063 U	0.0069 U	0.005 U	
0374	23-JUL-87	0.029 U	0.02 U	0.005 U	0.1884	0.005 U	0.001 U	126.5740	0.02 U	0.01 U	0.022 U	0.0064	0.0086	0.005 U	
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mn)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
0286	11-MAY-87	225.3522	0.1426	0.0002 U	0.022 U	0.0751	5 U	0.036	0.0076 U	251.5908	4.5874	0.01 U	0.024 U	0.02 U	
0286	01-JUN-87	210.6785	0.0586	0.0002 U	0.022 U	0.0824	5 U	0.02	0.0076 U	225.5047	4.744	0.01 U	0.024 U	0.02 U	
0286	21-JUL-87	195.9940	0.4458	0.0002 U	0.022 U	0.2504	0.7	0.006	0.0076 U	257.7494	3.997	0.01 U	0.0312	0.022	
0286	31-MAR-88	147.4723	0.0801	0.0002 U	0.022 U	0.0773	0.5 U	0.005 U	0.0076 U	201.2186	3.219	0.01 U	0.036 U	0.035	
0286	03-JUN-88	150.20	0.0325	0.0002 U	0.022 U	0.0503	0.5 U	0.012	0.0076 U	220.5761	3.5613	0.01 U	0.036 U	0.022 U	
0286	27-JUN-89	.1128557	0.002 U	.00003 U	.00006	.0004 U	.0004 U	.0004 U	.0004 U	.2125613	.00274	.0003 U	.00003 U	.0008 U	
0286	11-JUL-89	98.9	.0304	.0002 U	.1 U	.131	5.0 U	.0394	.01 U	214	2.8	.01 U	.164	.05 U	
0286	19-MAR-90	126	0.0156 N	0.0002 U	0.035 U	0.0261 B	0.48 B	0.029 NS	0.006 U	162	3.36	0.005	0.025 U	0.006 U	0.0306
0286	07-JUN-90	113	0.0431	0.0002	0.1 U	0.062	5.0 U	0.0333	0.01 U	184	2.92	0.01 U	0.1 U	0.05 U	
0286	19-JUN-91	90.2	0.0114 B	0.0002 U	0.0165 B	0.0455	0.382 B	0.016	0.002 U	145	2.29	0.001 U	0.0515 B	0.0059 B	0.003 U
0374	-AUG-86	14	0.016	0.0002 U	0.1 U	0.04 U	0.92	0.002 U	0.01 U	15.5	0.36	0.01 U	0.05 U	0.025	
0374	17-MAR-87	11.9124	0.0625	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	21.9046	0.4007	0.01 U	0.024 U	0.36	
0374	03-JUN-87	11.0585	0.0051 U	0.0002 U	0.022 U	0.0452	5 U	0.005 U	0.0076 U	29.1251	0.3992	0.01 U	0.024 U	0.02 U	
0374	23-JUL-87	11.1472	0.0051 U	0.0002 U	0.022 U	0.037 U	0.9	0.004 J	0.0076 U	31.63552	0.3951	0.01 U	0.024 U	0.02 U	

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Ground Water Dissolved Metal Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
0374	23-OCT-87	0.0356	0.02 U	0.005 U	0.1988	0.003 J	0.001 U	105.9805	0.02 U	0.1223	0.022 U	0.0104	0.348	0.001 J	0.01 J
0374	03-MAR-88	0.0909	0.02 U	0.005 U	0.1971	0.005 U	0.001 U	115.2379	0.02 U	0.01 U	0.022 U	0.0242	0.0513	0.005 U	0.1 U
0374	05-MAY-88	0.0419	0.034 U	0.005 U	0.1904	0.001 U	0.005 U	12.6524	0.02 U	0.01 U	0.022 U	0.0118	0.0077	0.007	
0374	19-AUG-88	0.029 U	0.034 U	0.005 U	0.1959	0.001 U	0.005 U	117.0657	0.02 U	0.0107	0.022 U	0.0063 U	0.0278	0.005 U	
0374	25-MAY-90	0.2 U	0.06 U	0.01 U	0.2 U	0.005 U	0.005 U	117	2.5 U	0.01 U	0.05 U	0.025 U	0.1 U	0.003 U	0.1 U
0374	01-AUG-90	0.0742	0.01 U	0.001 B	0.207 E	0.001 U	0.002 U	118 E	0.147 U	0.0182	0.004 U	0.003 U	0.0227 B	0.001 U	0.0032 B
0374	16-NOV-90	0.0514 B	0.0114 B	0.002 U	0.192 B	0.001 U	0.002 U	115	0.2 B	0.0127	0.003 U	0.0069 B	0.0433 B	0.001 U	0.0032 B
0374	22-AUG-91	0.0688 B	0.0269 B	0.002 U	0.193 BE	0.001 U	0.0014 B	111	0.06 B	0.0173	0.002 U	0.0091 B	0.0157 B	0.001 UW	0.0064 B
0386	-SEP-86	0.1 U	0.05 U	0.002 U	0.1 U	0.005 U	0.005 U	88	0.1 U	0.01 U	0.05 U	0.02 U	0.075 U	0.01 U	
0386	12-MAY-87	0.0672	0.06 U	0.01 U	0.2088	0.005 U	0.005 U	92.0666	0.2 U	0.01 U	0.022 U	0.0089	0.0487	0.005 U	
0386	08-JUN-87	0.029 U	0.06 U	0.01 U	0.1068	0.005 U	0.005 U	42.2227	0.2 U	0.01 U	0.022 U	0.0063 U	0.0227	0.005 U	
0386	24-JUL-87	0.1933	0.02 U	0.005 U	0.1692	0.005 U	0.0003 J	87.7807	0.02 U	0.01 U	0.022 U	0.0075	0.1442	0.005 U	
0386	15-DEC-87	0.0387	0.02 U	0.005 U	0.1722	0.005 U	0.001 U	67.5669	0.02 U	0.01 U	0.022 U	0.0121	0.0529	0.002 J	0.08 J
0386	31-MAR-88	0.0352	0.034 U	0.005 U	0.1235	0.001 U	0.005 U	79.015	0.02 U	0.0112	0.022 U	0.0063 U	0.0149	0.005 U	0.1 U
Well Number	Date Sampled	Magnesium (Mg)	Mercury (Hg)	Manganese (Mg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
0374	23-OCT-87	10.2265	0.0051 U	0.0002 U	0.022 U	0.037 U	1	0.003 J	0.0076 U	21.8861	0.3549	0.01 U	0.024 U	0.033	
0374	03-MAR-88	10.8145	0.0051 U	0.0002 U	0.022 U	0.037 U	0.9	0.005 U	0.0076 U	22.4269	0.3905	0.01 U	0.024 U	0.0233	
0374	05-MAY-88	11.4483	0.0051 U	0.0002 U	0.022 U	0.037 U	1	0.005 U	0.0161	20.8114	0.3817	0.01 U	0.036 U	0.02 U	
0374	19-AUG-88	10.583	0.0051 U	0.0002 U	0.022 U	0.037 U	0.9	0.005 U	0.0076 U	22.0883	0.3533	0.01 U	0.036 U	0.0202	
0374	25-MAY-90	11.7	0.015 U	0.0002 U	0.1 U	0.04 U	5.0 U	0.005 U	0.01 U	23.4	0.388	0.01 U	0.1 U	0.05 U	0.02 U
0374	01-AUG-90	11.1 E	0.0013 B	0.0002 U	0.0077 B	0.004 B	1.2 BE	0.002 U	0.0085 B	21.4	0.365 E	0.003	0.0262 B	0.0104 B	0.0088 B
0374	16-NOV-90	11.1	0.0019 B	0.0002 U	0.002 U	0.004 U	1.09 B	0.001 U	0.0043 B	19.1	0.357	0.002	0.0179 B	0.0048 B	0.0415
0374	22-AUG-91	10.6	0.001 U	0.0002 U	0.0032 B	0.0038 B	1.11 BE	0.004 B	0.0036 B	21.6	0.334	0.002 U	0.0222 B	0.0073 B	0.0085 B
0386	-SEP-86	32	0.038	0.00024	0.1 U	0.04 U	2.63	0.015	0.01 U	26.6	1.58	0.01 U	0.05 U	0.034	
0386	12-MAY-87	33.5725	0.0131	0.0002	0.022 U	0.0746	5 U	0.01	0.0076 U	34.9972	1.5556	0.01 U	0.024 U	0.02 U	
0386	08-JUN-87	19.8744	0.0051 U	0.0002 U	0.022 U	0.1158	5 U	0.008	0.0076 U	27.6169	0.9392	0.01 U	0.0241	0.02 U	
0386	24-JUL-87	31.5093	0.0874	0.0002 U	0.022 U	0.2245	1.9	0.006	0.0076 U	43.4357	1.558	0.01 U	0.024 U	0.02 U	
0386	15-DEC-87	24.6254	0.0789	0.0002 U	0.022 U	0.1477	2.8	0.006	0.0076 U	42.6454	1.2354	0.01 U	0.24 U	0.0263	
0386	31-MAR-88	29.3416	0.0779	0.0002 U	0.022 U	0.3791	1.7	0.016	0.0076 U	48.1063	1.3701	0.01 U	0.036 U	0.02 U	

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Ground Water Dissolved Metal Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Al)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
0386	03-JUN-88	0.0816	0.0813	0.005 U	0.1983	0.001 U	0.005 U	89.5078	0.02 U	0.0106	0.022 U	0.0066	0.0753	0.005 U	
0386	06-OCT-88	0.0526	0.034 U	0.005 U	0.2081	0.001 U	0.005 U	79.2203	0.02 U	0.01 U	0.022 U	0.0063	0.0172	0.005 U	
0386	21-DEC-88	0.0653	0.0343	0.005 U	0.2008	0.001 U	0.005 U	76.6811	0.02 U	0.01 U	0.022 U	0.0063	0.0069 U	0.005 U	
0386	29-MAR-89	0.0202 J	0.05 U	0.001 U	0.2193	0.002 U	0.005 U	80.1232	0.005 U	0.009 U	0.029 U	0.0043 J	0.035 U	0.001 U	
0386	22-JUN-89	.00003 B	.00005 U		.00025	0.002 U	0.005 U	.0777854		.0009 U	.00003 U	0.004 U	.00003 U		
0386	29-JUN-89	.2 U	.06 U	.01 U	.2 U	.005 U	.005 U	77.8	1.0 U	.01 U	.025 U	.025 U	.005 U	.1 U	
0386	12-AUG-89	.2 U	.06 U	.01 U	.215	.005 U	.005 U	75.2	1.0 U	.01 U	.025 U	.025 U	.005 U	.1 U	
0386	23-MAR-90	0.035 UN	0.026 U	0.002 U	0.225	0.001 U	0.002 UN	84.7	0.09 B	0.005 U	0.004 U	0.005 U	0.014 B	0.0022 B	
0386	08-JUN-90	0.426	0.06 U	0.01 U	0.236	0.005 U	0.005 U	90.1	0.1 U	0.01 U	0.025 U	0.025 U	0.1 U	0.003 U	
0386	06-SEP-90	0.0512 B	0.0221 B	0.001 U	0.227 E	0.001 U	0.002 U	82.3 E	0.4 B	0.0178	0.004 U	0.0039 B	0.013 U	0.001 U	
0386	15-NOV-90	0.0529 B	0.022 U	0.001 U	0.26	0.001 U	0.005 U	100	0.5 U	0.004 U	0.004 U	0.005 U	0.003 U	0.001 U	
0386	14-MAR-91	0.0588 B	0.0146 B	0.002 U	0.238	0.001 U	0.002 U	90.1	0.076 U	0.0145	0.003 U	0.0047 B	0.0295 B	0.001 U	
0386	20-JUN-91	0.0671 B	0.0508 B	0.002 U	0.237 E	0.001 U	0.0032 B	90.3	0.112 U	0.0222	0.0052 B	0.011 U	0.0189 B	0.001 U	
0774	-AUG-86	0.1 U	0.05 U	0.002 U	0.1 U	0.005 U	0.005 U	134	0.1 U	0.01 U	0.05 U	0.02 U	0.038	0.005 U	
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
0386	03-JUN-88	37.8459	0.0677	0.0002 U	0.022 U	0.3148	2.3	0.005 U	0.0256	49.1775	1.5757	0.01 U	.036 U	.0227	
0386	06-OCT-88	28.8084	0.0164	0.0002 U	0.022 U	0.1599	2.5	0.0139	0.0076 U	41.5745	1.5623	0.01 U	.036 U	.0372	
0386	21-DEC-88	28.0537	0.0051 U	0.0002 U	0.022 U	0.0688	2.1	0.012	0.0076 U	41.2863	1.5014	0.01 U	.036 U	.002 U	
0386	29-MAR-89	28.8356	0.0063 J	0.0002 U	0.027 U	0.0671	2.45 J	.0161	0.004 U	42.9191	1.4496	0.001 U	.034 U	.0008 U	
0386	22-JUN-89	.029053	0.006 B	.00003 U	.00008				0.004 U	.043878	.00141		.00003 U	.0008 U	
0386	29-JUN-89	.27.9	.015 U	.0002 U	.1 U	.0532	5.0 U	.0198	.01 U	.44	1.36	.01 U	.1 U	.02 U	
0386	12-JUL-89	30.7	.015 U	.0002 U	.1 U	.058	5.0 U	.023	.01 U	.39.7	1.5	.01 U	.1 U	.02 U	
0386	23-MAR-90	32.2	0.0023	0.0002 U	0.035 U	0.0297 B	2.4 B	0.0309 N	0.006 U	46.9	1.48	0.001	0.025 U	0.006 U	
0386	08-JUN-90	35.1	0.015 U	0.0002 U	0.1 U	0.0464	5.0 U	0.043	0.01 U	51.7	1.64	0.01 U	0.05 U	0.02 U	
0386	06-SEP-90	32.4 E	0.004 B	0.0002 U	0.0115 B	0.032 B	2.38 B	0.0464 S	0.0118	40.6 E	1.45 E	0.003 U	0.0449 B	0.0096 B	
0386	15-NOV-90	35.2	0.017	0.0002 U	0.009 U	0.0237 B	4.45 B	0.0477	0.0101	46.6	1.58	0.002 U	0.03 U	0.0131 B	
0386	14-MAR-91	34.2	0.014 B	0.0002 UN	0.006 B	0.0654	2.55 B	0.0475 S	0.0053 B	52.8	1.57	0.001 U	0.029 B	0.0055 B	
0386	20-JUN-91	34.2	0.001 U	0.0002 U	0.0099 B	0.0539	2.63 B	0.064	0.0046 B	53.3	1.58	0.001 U	0.0322 B	0.0066 B	
0774	-AUG-86	29	0.01 U	0.0002 U	0.1 U	0.04 U	2.5	0.002 U	0.01 U	6.5	0.56	0.01 U	0.05 U	0.02 U	

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Ground Water Dissolved Metal Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Al)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
0774	07-MAY-87	0.029 U	0.06 U	0.01 U	0.1447	0.005 U	99.6755	0.2 U	0.01 U	0.0063 U	0.0081	0.005 U			
0774	28-MAY-87	0.029 U	0.06 U	0.01 U	0.1559	0.005 U	102.9226	0.2 U	0.01 U	0.0063 U	0.0128	0.006			
0774	23-JUL-87	0.03	0.002 U	0.005 U	0.1728	0.005 U	0.001 U	9905678	0.02 U	0.01 U	0.0066	0.0069 U	0.005 U		
0774	05-NOV-87	0.0298	0.02 U	0.005 U	0.1671	0.005 U	0.0005 J	87.3583	0.02 U	0.01 U	0.022 U	0.01	0.0329	0.005 U	
2274	-SEP-86	0.1 U	0.05 U	0.002 U	0.1 U	0.005 U	0.005 U	1.42	0.1 U	0.01 U	0.05 U	0.025 U	0.075 U	0.01 U	0.1 U
2274	13-MAR-87	0.029 U	0.06 U	0.01 U	0.2133	0.005 U	0.005 U	97.3944	0.2 U	0.01 U	0.022 U	0.0063 U	0.0069 U	0.005 U	
2274	22-MAY-87	0.029 U	0.06 U	0.01 U	0.1969	0.005 U	0.005 U	103.83	0.2 U	0.01 U	0.022 U	0.0078	0.0143	0.022	
2274	28-JUL-87	0.0887	0.02 U	0.005 U	0.2474	0.005 U	0.001 U	101.2017	0.02 U	0.01 U	0.022 U	0.0064	0.0515	0.005 U	
2274	21-OCT-87	0.0376	0.02 U	0.005 U	0.1835	0.001 J	0.001 U	84.5535	0.02 U	0.01 U	0.022 U	0.0132	0.0516	0.005 U	0.02 J
2274	01-DEC-89	.2 U	.06 U	.01 U	.246	.005 U	.005 U	82.8	2.5 U	.01 U	.05 U	.025 U	.1 U	.003 U	.1 U
2274	17-MAR-90	0.0418 U	0.0134 U	0.0013 U	0.265	0.0002 U	0.0032	87.3 E	0.0058 U	0.0027 U	0.0032 B	0.0113 U	0.0014		
2274	21-JUN-90	0.2 U	0.06 U	0.01 U	0.25	0.005 U	0.005 U	88.9	0.1 U	0.01 U	0.025 U	0.1 U	0.003 U	0.1 U	
2274	03-NOV-90	0.0303 B	0.022 U	0.001 U	0.264	0.001 U	0.005 U	113	0.5 U	0.004 U	0.005 U	0.005 U	0.001 U	0.001 U	0.0213 B
2274	23-MAY-91	0.0534 B	0.0153 B	0.002 U	0.284	0.001 U	0.002 U	93.9	0.112 U	0.0055 B	0.003 U	0.011 U	0.0114 B	0.001 U	0.022 B
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)					
0774	07-MAY-87	11.3116	0.0051 U	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	17.2628	0.3836	0.01 U		0.024 U	0.02 U
0774	28-MAY-87	11.6059	0.0051 U	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	13.0137	0.3916	0.01 U		0.024 U	0.02 U
0774	23-JUL-87	13.0517	0.0051 U	0.0002 U	0.022 U	0.037 U	1.3	0.002 J	0.0076 U	18.7144	0.4422	0.01 U		0.024 U	0.02 U
0774	05-NOV-87	13.3154	0.0051 U	0.0002 U	0.022 U	0.037 U	1.2	0.005 U	0.0076 U	16.168	0.4369	0.01 U		0.024 U	0.02 U
2274	-SEP-86	22.5	0.065	0.0002 U	0.19	0.04 U	4.1	0.017	0.014	22.4	1.11	0.01 U		0.05 U	0.04 U
2274	13-MAR-87	19.4344	0.0051 U	0.0002 U	0.022 U	0.037 U	5.0 U	0.005 U	0.0076 U	29.3958	0.9296	0.01 U		0.024 U	0.03
2274	22-MAY-87	18.1591	0.0051 U	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	33.3721	0.8147	0.01 U		0.024 U	0.0393
2274	28-JUL-87	17.3086	0.0416	0.0002 U	0.022 U	0.037 U	2.3	0.005 U	0.0076 U	37.2635	0.8662	0.01 U		0.0251	0.0234
2274	21-OCT-87	16.4465	0.0051 U	0.0001 J	0.022 U	0.037 U	2.7	0.005 U	0.0076 U	29.839	0.7917	0.01 U		0.024 U	0.0364
2274	01-DEC-89	17.5	.015 U	.0002	.1 U	.04 U	5.0 U	.005 U	.01 U	36.1	1.01	.01 U		.05 U	.02 U
2274	17-MAR-90	18.5 E	0.0133 B	0.0002 U	0.1 U	0.0111 U	1.66 B	0.0018 U	0.0049	36.1 E	0.0009			0.003 U	
2274	21-JUN-90	18.4	0.015 U	0.0002 U	0.009 U	0.04 U	5.0 U	0.005 U	0.01 U	33.7	0.86	0.01 U		0.05 U	0.02 U
2274	03-NOV-90	21.2	0.0077 B	0.0002 U	0.009 U	4.05 B	0.002 U	0.006 B	33.7	0.962	0.002 U		0.03 U	0.002 U	
2274	23-MAY-91	19.3	0.0013 B	0.0002 U	0.0039 B	0.003 U	3.37 B	0.002 B	0.002 U	38.6	0.987	0.001 U		0.002 U	0.012 B

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Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
2274	09-SEP-91	0.1 U	0.05 U	0.002 U	0.1 U	0.002 U	0.0065	132	0.5 U	0.005 U	0.01 U	0.01 U	0.05 U	0.0025 B	0.184
2587	22-OCT-87	2.6796			0.1524			110.7037		0.0785	0.022 U	0.0063 U	4.347		
2587	04-MAR-88	0.029 U	0.02 U	0.005 U	0.1128	0.005 U	0.001 U	116.7854	0.02 U	0.01 U	0.022 U	0.0063 U	0.0171	0.005 U	0.1 U
2587	12-MAY-88	0.0968	0.034 U	0.005 U	0.0769	0.001 U	0.005 U	105.3446	0.02 U	0.01 U	0.022 U	0.0126	0.022	0.005 U	
2587	16-AUG-88	0.0897	0.034 U	0.005 U	0.0937	0.001 U	0.005 U	119.8486	0.02 U	0.01 U	0.022 U	0.0063 U	0.0319	0.005 U	
2587	11-NOV-88	0.0376	0.034 U	0.005 U	0.1076	0.001 U	0.005 U	125.3399	0.02 U	0.0158	0.022 U	0.0063 U	0.067	0.005 U	
2587	15-FEB-89	0.0614 J	0.05 U	0.001 U	0.1269 J	0.002 U	0.005 U	124.3472	0.005 U	0.009 U	0.029 U	0.004 U	0.0767 J	0.0111	
2587	09-MAY-89	0.0387 J	0.05 U	.001 U	0.142 J	0.002 U	0.005 U	129.6354	.2 U	0.009 U	0.029 U	0.004 U	0.035 U	.001 U	
2587	01-FEB-90	8.14	0.022 U	0.0034	0.212	0.001 U	0.003 U	128		0.0695	0.0098 B	0.0246 B	14.9	0.0116 N	
2587	11-JUN-90	0.07 U	0.0227 B	0.0016 U	0.0801 B	0.0007 U	0.0034 U	108	1.0 U	0.0048 B	0.0041 U	0.0051 B	0.0106 U	0.0019	0.0034 U
2587	09-MAR-91	0.0339 B	0.008 U	0.002 UW	0.115 B	0.001 U	0.002 U	127	0.076 U	0.005 U	0.003 U	0.002 U	0.0117 B	0.001 UW	0.0039 B
2587	22-APR-91	0.081 B	0.006 U	0.002 U	0.127 B	0.001 U	0.002 U	137	0.112 U	0.003 U	0.003 U	0.011 U	0.0392	0.001 U	0.006 B
2587	10-SEP-91	0.1 U	0.05 U	0.002 U	0.104 B	0.002 U	0.0086	134	0.5 U	0.005 U	0.01 U	0.05 U	0.012 B	0.05 U	
2787	23-AUG-88	0.0522	0.034 U	0.005 U	0.1117	0.001 U	0.005 U	85.0476	0.02 U	0.01 U	0.022 U	0.0076	0.0216	0.005 U	
Well Number	Date	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
2274	09-SEP-91	29.7	0.0526	0.0002 U	0.01 U	0.0127 B	2.0 U	0.0011 B	0.005 U	177	0.946	0.001 U	0.1 U	0.01 U	0.0104 B
2587	22-OCT-87	8.0261	0.3485		0.022 U	0.037 U		0.0076 U	9.3252	0.3112			0.0401	0.0886	
2587	04-MAR-88	7.8072	0.0051 U	0.0002 U	0.022 U	0.037 U	1.1	0.005 U	0.0076 U	11.7683	0.2998	0.01 U			
2587	12-MAY-88	7.3872	0.0051 U	0.0002 U	0.022 U	0.037 U	0.6	0.005 U	0.0076 U	11.0605	0.2345	0.01 U			
2587	16-AUG-88	7.1069	0.0051 U	0.0002 U	0.022 U	0.037 U	0.5	0.005 U	0.0076 U	13.3006	0.2606	0.01 U			0.0264
2587	11-NOV-88	7.6568	0.0051 U	0.0002 U	0.022 U	0.037 U	0.5 J	0.005 U	0.0076 U	11.4616	0.3155	0.01 U			0.036 U
2587	15-FEB-89	8.7065	0.0023 J	0.0002 U	0.027 U	0.022 U	0.6 J	.0014 J	0.004 U	13.0472	0.348	0.001 U			0.036 U
2587	09-MAY-89	9.2948	0.002 U	0.0002 U	0.027 U	0.022 U	1.0 J	.001 U	0.004 U	12.6046	0.3801	0.001 U			0.034 U
2587	01-FEB-90	10.4	0.235 *		0.0002 U	0.0338 B	2.34 B	0.002 UN	0.003 U	10.6		0.004,			0.0785
2587	11-JUN-90	6.79	0.0022 U	0.0002 U	0.0092 B	0.0096 U	1.47 U	0.0012 U	0.0033 U	10.3	0.229 B	0.0016	0.0107 U	0.0029 U	0.0049 B
2587	09-MAR-91	9.1	0.001 U	0.0002	0.003 U	0.004 U	0.667 BE	0.002 UN	0.003 U	11.8	0.334	0.001 U	0.011 U	0.0043 B	0.0089 B
2587	22-APR-91	9.65	0.0013 B	0.0002 U	0.0033 B	0.003 U	0.649 B	0.002 U	0.002 U	11.8	0.361	0.001 BN	0.01 U	0.0081 B	0.0119 B
2587	10-SEP-91	8.73	0.0056 B	0.0002 U	0.01 U	0.01 U	2.0 U	0.005 U	0.005 U	12.5	0.303	0.001 U	0.1 U	0.01 U	
2787	23-AUG-88	15.026	0.0051 U	0.0002 U	0.022 U	0.037 U	4	0.005 U	0.0076 U	27.5836	0.4937	0.01 U			0.036 U

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Ground Water Dissolved Metal Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
2787	17-NOV-88	0.0524	0.034 U	0.005 U	0.116 U	0.001 U	0.005 U	92.1867	0.02 U	0.01 U	0.022 U	0.0063 U	0.0491	0.005 U	
2787	11-MAY-89	0.0233 J	0.05 U	.001 U	0.1053 J	0.002 U	0.005 U	89.9515	.2 U	0.009 U	0.029 U	0.0108 J	0.035 U	.001 U	
2787	05-DEC-89	.2 U	.06 U	.01 U	.2 U	.005 U	.005 U	96.6	2.5 U	.01 U	.05 U	.025 U	.1 U	.003 U	
2887	15-MAR-88	0.029 U	0.02 U	0.004 J	0.0238	0.005 U	0.001 U	13.1315	0.02 U	0.01 U	0.022 U	0.0063 U	0.0143	0.005 U	
2887	12-MAY-88	0.2705	0.034 U	0.005 U	0.0913	0.001 U	0.005 U	19.9311	0.02 U	0.01 U	0.022 U	0.0463	0.1786	0.005 U	
2887	20-FEB-89	0.0918 J	0.05 U	0.0022 J	0.042 J	0.002 U	0.005 U	35.1215	0.005 U	0.0151	0.029 U	0.0127 J	0.0983 J	0.001 U	
3187	29-OCT-87	0.2634			0.0562			15.3345		0.026	0.022 U	0.0141	0.1701		
3187	10-MAR-88	0.0864	0.02 U	0.019	0.0146	0.005 U	0.0025	21.9756	0.02 U	0.01 U	0.022 U	0.0063 U	0.0371	0.005 U	
3187	12-MAY-88	0.2029	0.034 U	0.008	0.0472	0.001 U	0.005 U	20.2619	0.02 U	0.01 U	0.022 U	0.0121	0.0906	0.005 U	
3187	25-AUG-88	0.0419	0.034 U	0.0053	0.0408	0.001 U	0.005 U	22.0879	0.02 U	0.01 U	0.022 U	0.0106	0.0239	0.005 U	
3187	22-NOV-88	0.1283	0.034 U	0.004 J	0.0224	0.001 U	0.005 U	21.8225	0.02 U	0.01 U	0.022 U	0.0063 U	0.1436	0.005 U	
3187	22-FEB-89	0.0165 J	0.05 U	.0047 J	0.0179 J	0.002 U	0.005 U	19.2669	0.005 U	0.009 U	0.029 U	0.004 U	0.0371 J	0.001 U	
3187	11-MAY-89	0.0291 J	0.05 U	.003 J	0.0193 J	0.002 U	0.005 U	20.0689	.2 U	0.009 U	0.029 U	0.004 U	0.035 U	.001 U	
3187	18-SEP-90	0.01 U	0.007 U	0.004 B	0.024 BE	0.001 U	0.002 U	23.8 E	0.092 U	0.005 U	0.003 U	0.002 U	0.014 U	0.0341	0.03 B
Well Number	Date	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
2787	17-NOV-88	14.0185	0.0091	0.0002 U	0.022 U	0.037 U	2.6	0.005 U	0.0095	27.3135	0.5492	0.01 U	0.036 U	0.0256	
2787	11-MAY-89	15.6679	0.0062 J	0.0002 U	0.027 U	0.022 U	4.21 J	.001 U	0.004 U	30.1146	0.577	.001 U	0.034 U	0.008 U	
2787	05-DEC-89	15.6	.015 U	.0002 U	.1 U	.04 U	5.0 U	.005 U	.001 U	17.9	.569	.01 U	.05 U	.02 U	
2887	15-MAR-88	1.7166	0.0092	0.0002 U	0.0251	0.037 U	14	0.003 J	0.0076 U	19.306	0.1373	0.01 U	0.024 U	0.02 U	
2887	12-MAY-88	3.1309	0.0304	0.0002 U	0.1347	0.037 U	5.2	0.005 U	0.0076 U	92.0039	0.2427	0.01 U	0.0992	0.0489	
2887	20-FEB-89	6.2484	0.0295	0.0002 U	0.0902	0.022 U	5.6	0.002 J	0.004 U	142.8783	0.4337	0.001 U	0.034 U	0.0364	
3187	29-OCT-87	0.1157	0.0051 U	0.0568	0.037 U	0.037 U			0.0076 U	78.5306	0.1768		0.1137	0.0237	
3187	10-MAR-88	0.1307	0.0051 U	0.0002 U	0.0644	0.037 U	4.3	0.005 U	0.0076 U	67.1358	0.1962	0.01 U	0.024 U	0.02 U	
3187	12-MAY-88	0.373	0.0051 U	0.0002 U	0.0608	0.037 U	3	0.005 U	0.0076 U	69.2078	0.1697	0.01 U	0.036 U	0.0258	
3187	25-AUG-88	0.77221	0.0051 U	0.0002 U	0.064	0.037 U	3	0.005 U	0.0076 U	72.9478	0.2119	0.01 U	0.036 U	0.0306	
3187	22-NOV-88	1.0221	0.0051 U	0.0002 U	0.0309	0.037 U	2.2	0.005 U	0.0076 U	80.6209	0.2277	0.01 U	0.036 U	0.1041	
3187	22-FEB-89	1.1088 J	0.0024 J	0.0002 U	0.027 U	0.022 U	2.45 J	0.001 U	0.004 U	70.2818	0.1968 J	0.001 U	0.034 U	0.0207	
3187	11-MAY-89	1.3554 J	0.0023 B	.0002 U	0.0276 J	0.022 U	3.26 J	.001 U	0.004 U	76.4808	0.2119	.001 U	0.034 U	0.008 U	
3187	18-SEP-90	3.75 BE	0.003 B	0.0002 U	0.0151 B	0.004 U	2.6 B	0.002 U	0.003 U	81.7 E	0.275 E	0.003 U	0.0155 B	0.0024 B	0.005 B

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Ground Water Dissolved Metal Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
3187	21-NOV-90	0.0573 B	0.009 B	0.006 B	0.0257	0.001 U	0.002 U	21.7	0.076 U	0.014	0.0042 B	0.014 U	0.001 U	0.0296 B	
3187	11-JAN-91	0.0569 B	0.0111 B	0.004 B	0.0181 B	0.001 U	0.002 U	21.7 E	0.076 U	0.005 U	0.003 U	0.002 U	0.159	0.001 U	0.0234 B
3187	16-APR-91	0.0189 B	0.008 U	0.005 B	0.0268 B	0.001 U	0.002 U	22.8	0.112 U	0.005 U	0.003 U	0.002 U	0.004 U	0.001 U	0.0475 B
3187	10-SEP-91	0.171 B	0.05 U	0.0047 B	0.1 U	0.002 U	0.003 U	21.7	0.5 U	0.005 U	0.01 U	0.01 U	0.05 U	0.0016 B	0.05 U
3287	27-OCT-87	0.0349			0.1902			97.7697		0.0417	0.022 U	0.0063 U	0.0945		
3287	10-MAR-88	0.029 U	0.014	0.005 U	0.1972	0.005 U	0.001 U	114.4551	0.02 U	0.01 U	0.022 U	0.0106	0.005 U	0.1 U	
3287	12-MAY-88	0.0302	0.034 U	0.005 U	0.1074	0.001 U	0.005 U	119.8149	0.02 U	0.01 U	0.022 U	0.0561	0.005 U		
3287	23-AUG-88	0.029 U	0.034 U	0.005 U	0.1612	0.001 U	0.005 U	115.3676	0.02 U	0.01 U	0.022 U	0.01	0.0667	0.005 U	
3287	17-NOV-88	0.0359	0.034 U	0.005 U	0.1867	0.001 U	0.005 U	129.3694	0.02 U	0.01 U	0.022 U	0.0063 U	0.0283	0.005 U	
3287	22-FEB-89	0.0199 J	0.0515 J	0.001 U	0.2163	0.002 U	0.005 U	112.9789	0.005 U	0.0126	0.029 U	0.0059 J	0.0447 J	0.0026 J	
3287	29-NOV-90	0.0418 B	0.0152 B	0.002 U	0.202	0.001 U	0.002 U	105	0.076 U	0.0076 B	0.003 U	0.002 U	0.014 U	0.001 U	0.0034 B
3287	15-JAN-91	0.077 B	0.031 B	0.002 U	0.224	0.001 U	0.0036 B	114	0.076 U	0.031	0.0089 B	0.0166 B	0.0206 B	0.001 U	0.004 B
3287	16-APR-91	0.0801 B	0.0126 B	0.002 U	0.215	0.001 U	0.002 U	111	0.112 U	0.0071 B	0.003 U	0.0119 B	0.0372 B	0.001 U	0.0333 B
3487	10-MAR-88	0.029 U	0.02 U	0.007	0.0424	0.005 U	0.001 U	192.5822	0.02 U	0.0123	0.022 U	0.0063 U	0.9745	0.005 U	0.22
Well Number	Date Sampled	Magnesium (Mg)	Mercury (Hg)	Manganese (Mg)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)	
3187	21-NOV-90	4.03 BE	0.0053 B	0.0002 U	0.0177 B	0.0079 B	2.6 BE	0.001	0.0057 B	77.6 E	0.27 E	0.002 U	0.0122 B	0.0066 B	0.0117 B
3187	11-JAN-91	4.11 BE	0.0059 B	0.0002 U	0.013 B	0.0086 B	3.0 B	0.002 UW	0.003 U	90.2	0.27 E	0.003 U	0.011 U	0.0025 B	0.019 B
3187	16-APR-91	4.54 B	0.0067 B	0.0002	0.0074 B	0.0099 B	2.84 BE	0.002	0.003 U	85.4	0.293	0.001 UW	0.011 U	0.0026 B	0.025
3187	10-SEP-91	4.23 B	0.0185	0.0002 U	0.0107 B	0.01 U	2.58 B	0.001 U	0.005 U	80.4	0.264	0.001 U	0.1 U	0.01 U	0.0291
3287	27-OCT-87	15.4193	0.6198	0.022 U	0.0463	0.022 U	0.037 U	1.4	0.005 U	0.0076 U	24.5042	0.5598		0.024 U	0.02 U
3287	10-MAR-88	16.004	0.4679	0.0002 U	0.022 U	0.3783	3.2	0.005 U	0.0076 U	25.0755	0.5935	0.01 U	0.024 U	0.98	
3287	12-MAY-88	19.4299	0.1821	0.0002 U	0.022 U	0.0584	3.7	0.005 U	0.0076 U	31.8007	0.5876	0.01 U	0.036 U	0.1173	
3287	23-AUG-88	14.4738	0.0316	0.0002 U	0.022 U	0.037 U	2.6	0.005 U	0.0076 U	25.5758	0.5098	0.01 U	0.036 U	0.0502	
3287	17-NOV-88	15.066	0.0199	0.0002 U	0.022 U	0.037 U	1.4	0.005 U	0.0076 U	26.0447	0.6276	0.01 U	0.036 U	0.022	
3287	22-FEB-89	14.0302	0.0038 J	0.0002 U	0.027 U	0.022 U	1.75 J	0.001 U	0.004 U	28.8088	0.549	0.001 U	0.034 U	0.0744	
3287	29-NOV-90	14.6	0.001 U	0.0002 U	0.0043 B	0.0062 B	1.39 B	0.002 U	0.004 U	21.6	0.534	0.002 U	0.0417 B	0.0051 B	0.0109 B
3287	15-JAN-91	15.7	0.0058 B	0.0002 U	0.0109 B	0.0319 B	1.48 B	0.002 U	0.008 B	17.8	0.539	0.003 U	0.0324 B	0.0128 B	0.0272
3287	16-APR-91	15.4	0.0051 B	0.0002 U	0.003 U	0.0168 B	1.92 BE	0.002 UN	0.0054 B	23.7	0.563	0.001 UW	0.0237 B	0.0084 B	0.0162 B
3487	10-MAR-88	63.8066	0.1477	0.0002 U	0.0243	0.037 U	7.6	0.005 U	0.0076 U	219.1568	2.5972	0.01 U	0.024 U	0.02	U

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Ground Water Dissolved Metal Results
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Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
3487	12-MAY-88	0.1204	0.034 U	0.005 U	0.0463	0.001 U	0.005 U	17.8546	0.02 U	0.0111	0.022 U	0.0128	0.0802	0.005 U	
3487	20-FEB-89	0.0442 J	0.05 U	.0024 J	0.0441 J	0.002 U	0.005 U	15.7051	0.005 U	0.009 U	0.029 U	0.0044 J	0.0764 J	0.001 U	
3487	13-DEC-89	.2 U	.06 U	.0036	.2 U	.005 U	.005 U	18.5	1.0 U	.01 U	.025 U	.1 U	.0026	5.0 U	
3487	21-MAR-90	0.035 U	0.026 U	0.0022 B	0.0537 B	0.001 U	0.002 U	18.8	0.05 B	0.005 U	0.004 U	0.0192 B	0.001 U	0.0385 B	
3487	26-JUN-90	0.2 U	0.06 U	0.01 U	0.2 U	0.005 U	0.005 U	21	0.01 U	0.01 U	0.025 U	0.1 U	0.003 U	0.1 U	
3487	28-NOV-90	0.0214 B	0.0093 B	0.002 U	0.0579 B	0.001 U	0.002 U	19.7	0.076 U	0.005 U	0.003 U	0.0166 B	0.001 UW	0.033 B	
3487	15-JAN-91	0.0299 B	0.008 U	0.002 U	0.0565 B	0.001 U	0.002 U	19.6	0.076 U	0.005 U	0.003 U	0.0115 B	0.001 U	0.0348 B	
3487	16-APR-91	0.0274 B	0.008 U	0.002 B	0.065 B	0.001 U	0.002 U	21.5	0.112 U	0.005 U	0.003 U	0.0027 B	0.017 B	0.001 U	
3487	05-SEP-91			0.002 U				0.5 U						0.0019 B	0.05 U
3687	06-NOV-87	0.0327			0.1858							0.01 U	0.022 U	0.0109	0.0261
3687	10-MAR-88	0.029 U	0.02 U	0.005 U	0.17	0.005 U	0.001 U	110.3891	0.02 U	0.01 U	0.022 U	0.0063 U	0.0122	0.005 U	0.1 U
3687	05-MAY-88	0.068	0.034 U	0.005 U	0.1176	0.001 U	0.005 U	104.1592	0.02 U	0.022	0.022 U	0.0065	0.0303	0.005 U	
3687	19-AUG-88	0.029 U	0.034 U	0.005 U	0.1435	0.001 U	0.005 U	112.5575	0.02 U	0.0154	0.022 U	0.0063 U	0.0295	0.005 U	
3687	10-NOV-88	0.0294	0.034 U	0.005 U	0.1669	0.001 U	0.005 U	111.3045	0.02 U	0.01 U	0.022 U	0.0063 U	0.0118	0.005 U	
								98.4384							
3487	12-MAY-88	2.8998	0.0106	0.0002 U	0.0358	0.037 U	2.5	0.005 U	0.0076 U	67.5259	0.1978	0.01 U	0.036 U	0.0294	
3487	20-FEB-89	4.114 J	0.0099 J	0.0002 U	0.027 U	0.022 U	2.8 J	0.001 U	0.004 U	78.442	0.2345	0.001 U	0.034 U	0.0184 J	
3487	13-DEC-89	5.0 U	.015 U	.0002 U	.1 U	.04 U	5.0 U	.0023	.01 U	70.4	.245	.003 U	1.0 U	.02 U	
3487	21-MAR-90	5.12	0.0066 B	0.0002 U	0.035 U	0.006 U	2.42 B	0.003 U	0.006 U	72.1	.276	0.001 UN	0.025 U	0.006 U	0.013 B
3487	26-JUN-90	6.04	0.015 U	0.0002 U	0.1 U	0.04 U	5.0 U	0.005 U	0.01 U	85.3	.308	0.01 U	0.1 U	0.0491	
3487	28-NOV-90	5.65	0.0062 B	0.0002 U	0.0094 B	0.004 U	2.33 BE	0.001 B	0.003 U	71.2 E	.274	0.002 U	0.007 U	0.0358 B	0.0119 B
3487	15-JAN-91	5.81	0.0081 B	0.0002 U	0.0076 B	0.004 U	2.39 B	0.002 BW	0.003 U	65	.266	0.003 U	0.011 U	0.0066 B	0.0128 B
3487	16-APR-91	5.93	0.0078 B	0.0002 U	0.007 B	0.004 U	2.56 BE	0.002 UN	0.0037 B	72.9	.302	0.001 U	0.011 U	0.0039 B	0.0028 B
3487	05-SEP-91			0.0002 U	0.01 U			0.0012 B			.297	0.001 U	0.1 U		
3687	06-NOV-87	9.6752	0.3544	0.022 U	0.0548							11.0671	0.3658	0.024 U	0.0365
3687	10-MAR-88	8.5566	0.0916	0.0002 U	0.022 U	0.037 U	0.7	0.005 U	0.0076 U	9.3131	0.2984	0.01 U	0.024 U	0.0225	
3687	05-MAY-88	8.5449	0.0486	0.0002 U	0.022 U	0.037 U	0.9	0.005 U	0.0076 U	9.4793	0.2872	0.01 U	0.036 U	0.02 U	
3687	19-AUG-88	8.6769	0.0499	0.0002 U	0.022 U	0.037 U	0.9	0.005 U	0.0076 U	8.8509	0.295	0.01 U	0.036 U	0.02 U	
3687	10-NOV-88	8.8751	0.0879	0.0002 U	0.022 U	0.037 U	0.9	0.005 U	0.0076 U	9.2711	0.3325	0.01 U	0.036 U	0.0227	

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3687	15-FEB-89	0.0249 J	0.05 U	0.001 U	0.2179	0.002 U	0.005 U	123.4178	0.005 U	0.009 U	0.029 U	0.004 U	0.0373 J	0.001 U	=====	
3687	09-MAY-89	0.0221 J	0.05 U	.001 U	0.2216	0.002 U	0.005 U	116.3145	.2 U	0.009 U	0.029 U	0.004 U	0.035 U	.001 U	=====	
3687	10-NOV-89	.2 U	.06 U	.01 U	.2 U	.005 U	.005 U	127	2.5 U	.01 U	.025 U	.025 U	.1 U	.003 U	.1 U	
3687	05-JUN-90	0.0255 B	0.0183 U	0.0009 U	0.201	0.0009 U	0.0044 U	118	1.0 U	0.0066 U	0.0033 U	0.0047 U	0.082 B	0.072	0.0081 B	
3687	29-AUG-90	0.0673 B	0.0241 B	0.001 U	0.17 BE	0.001 U	0.002 U	121	0.147 U	0.0181	0.004 U	0.0173 B	0.0246 B	0.001 U	0.0107 B	
3687	12-NOV-90	0.0377 B	0.0222 U	0.001 U	0.208	0.001 U	0.005 U	140	0.5 U	0.004 U	0.004 U	0.005 U	0.0202 B	0.001 U	0.0106 B	
3687	19-APR-91	0.0222 B	0.006 U	0.002 U	0.219	0.001 U	0.002 U	141	0.112 U	0.003 U	0.003 U	0.011 U	0.007 U*	0.001 U	0.0037 B	
3687	23-AUG-91	0.0733 B	0.0263 B	0.002 U	0.198 BE	0.001 U	0.0018 B	126	0.08 B	0.0227	0.0034 B	0.0087 B	0.0153 B	0.001 U	0.0058 B	
3986	-SEP-86	0.1 U	0.06 U	0.002 U	0.28	0.005 U	0.005 U	110.0	0.15 U	0.01 U	0.05 U	0.02 U	0.075 U	0.01 U	=====	
3986	06-MAY-87	0.029 U	0.06 U	0.01 U	0.2274	0.005 U	0.005 U	120.5403	0.2 U	0.01 U	0.022 U	0.0063 U	0.069 U	0.005 U	=====	
3986	03-JUN-87	0.0384	0.06 U	0.01 U	0.2166	0.005 U	0.005 U	93.0783	0.2 U	0.01 U	0.022 U	0.0078	0.0274	0.005 U	=====	
3986	24-JUL-87	0.0756	0.02 U	0.005 U	0.2411	0.005 U	0.0003 J	112.5738	0.02 U	0.01 U	0.022 U	0.0094	0.033	0.005 U	=====	
3986	12-DEC-87	0.067	0.02 U	0.005 U	0.2244	0.005 U	0.001 U	99.7727	0.02 U	0.01 U	0.022 U	0.0216	0.0661	0.005 U	0.1 U	
3986	10-MAR-88	0.029 U	0.02 U	0.005 U	0.2576	0.005 U	0.001 U	111.6517	0.02 U	0.01 U	0.022 U	0.0063 U	0.0122	0.005 U	0.1 U	
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)	
3687	15-FEB-89	10.3045	0.1653	0.0002 U	0.027 U	0.0347 J	1.5 J	.0011 J	0.004 U	14.2014	0.4245	0.001 U	0.034 U	0.03	=====	
3687	09-MAY-89	10.3512	0.1255	0.0002 U	0.027 U	0.022 U	1.85 J	.001 U	0.004 U	11.9917	0.4332	.001 U	0.034 U	0.008 U	=====	
3687	10-NOV-89	10.5	.0419	.0002 U	.1 U	.04 U	5.0 U	.005 U	.01 U	9.74	.336	.01 U	.1 U	.05 U	.02 U	
3687	05-JUN-90	9.13	0.0031 B	0.0002 U	0.0059 U	0.007 B	0.867 B	0.0017 B	0.0045 U	9.62	0.318 B	0.0016 U	0.0302 U	0.0013 B	0.0045 B	
3687	29-AUG-90	9.2 E	0.0141 B	0.0002 U	0.0026 B	0.0103 B	0.857 B	0.001 U	0.0077 B	268	0.303	0.003 U	0.0324 B	0.0104 B	0.0101 B	
3687	12-NOV-90	10.3	0.0119 B	0.0002 U	0.009 U	0.0126 B	1.75 B	0.002 U	0.0096 B	9.67	0.291	0.002 U	0.03 U	0.0668 B	0.0045 B	
3687	19-APR-91	10.8	0.0254	0.0002 U	0.0002 U	0.003 U	0.879 B	0.002 U	0.002 U	10.4	0.377	0.001 UN	0.01 U	0.002 U	0.01 B	
3687	23-AUG-91	9.47	0.0066 B	0.0002 U	0.0044 B	0.0112 B	0.929 BE	0.002 U	0.0044 B	9.36	0.317	0.002 U	0.0151 B	0.0082 B	0.0085 B	
3986	-SEP-86	9.57	0.035	0.0002 U	0.0002 U	0.1 U	0.04 U	1.78	0.002 U	0.01 U	17.3	0.523	0.01 U	0.025 U	0.005 U	=====
3986	06-MAY-87	11.8066	0.0067	0.0002 U	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	15.8685	0.5293	0.01 U	0.024 U	0.02 U	=====
3986	03-JUN-87	10.0903	0.0051 U	0.0002 U	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	15.5111	0.4562	0.01 U	0.024 U	0.02 U	=====
3986	24-JUL-87	11.0669	0.0084	0.005	0.022 U	0.037 U	1.1	0.002 J	0.0076 U	16.2862	0.4936	0.01 U	0.0289	0.0563	=====	
3986	12-DEC-87	10.1957	0.0064	0.0002 U	0.0002 U	0.022 U	0.037 U	1.2	0.005 U	0.0076 U	14.7377	0.465	0.01 U	0.024 U	0.0279	=====
3986	10-MAR-88	11.4966	0.0054	0.0002 U	0.0002 U	0.022 U	0.037 U	0.9	0.005 U	0.0076 U	16.2557	0.5017	0.01 U	0.0258	0.02 U	=====

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Ground Water Dissolved Metal Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Antimony (Al)	Antimony (Al)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
3986	05-MAY-88	0.0313	0.034 U	0.005 U	0.2264	0.001 U	0.005 U	108.6039	0.02 U	0.01 U	0.022 U	0.0188	0.0429	0.005 U	
3986	19-AUG-88	0.029 U	0.034 U	0.005 U	0.2536	0.001 U	0.005 U	110.9536	0.02 U	0.0117	0.022 U	0.0063 U	0.0312		
3986	10-NOV-88	0.0421	0.036	0.005 U	0.2459	0.001 U	0.005 U	109.9309	0.005 U	0.01 U	0.022 U	0.0063 U	0.0683		
3986	15-FEB-89	0.1226 J	0.05 U	.0014 J	0.2688	0.002 U	0.005 U	111.4549	0.005 U	0.009 U	0.029 U	0.004 U	0.1801	0.001 U	
3986	09-MAY-89	0.0338 J	0.05 U	.001 U	0.263	0.002 U	0.005 U	110.9209	.2 U	0.009 U	0.029 U	0.004 U	0.035 U	0.001 U	
3986	10-NOV-89	.2 U	.06 U	.01 U	.282	.005 U	.005 U	122	2.5 U	.01 U	.025 U	.025 U	.1 U	.003 U	
3986	04-JUN-90	0.0177 B	0.0183 U	0.0009 U	0.275	0.0009 U	0.0044 U	117	1.0 U	0.0066 U	0.0033 U	0.0121 B	0.0294 B	0.003 J	
3986	09-AUG-90	0.0444 B	0.01 U	0.001 U	0.292 E	0.001 U	0.002 U	124	0.4 B	0.007 B	0.004 U	0.0039 B	0.0164 B	0.001 U	
3986	01-NOV-90	0.0549 B	0.007 U	0.001 U	0.236	0.001 U	0.002 U	110	0.2 B	0.0161	0.003 U	0.0041 B	0.0385 B	0.001 U	
3986	19-MAR-91	0.0455 B	0.008 U	0.002 U	0.202	0.001 U	0.002 U	106	0.076 U	0.012	0.003 U	0.0035 B	0.0137 B	0.001 U	
3986	14-MAY-91	0.0324 B	0.0377 B	0.002 U	0.197 B	0.001 U	0.002 U	101	0.112 U	0.0068 B	0.003 U	0.011 U	0.012 B	0.001 U	
3986	16-AUG-91	0.0714 B	0.008 U	0.002 U	0.172 BE	0.001 U	0.001 U	93.2	0.032 U	0.0091 B	0.002 U	0.0062 B	0.002 U	0.001 U	
4086	06-MAY-87	0.46688	0.06 U	0.01 U	0.0719	0.005 U	0.005 U	152.5210	0.2 U	0.01 U	0.022 U	0.013	0.2441	0.005 U	
4086	27-OCT-87	0.0561	0.02 U	0.005 U	0.0729	0.005 U	0.0003 J	75.248	0.02 U	0.027	0.022 U	0.0092	0.0955	0.005 U	
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
3986	05-MAY-88	11.6715	0.0051 U	0.0002 U	0.022 U	0.037 U	1	0.005 U	0.0408	15.931	0.4938	0.01 U	0.036 U	0.0262	
3986	19-AUG-88	11.5095	0.0051 U	0.0002 U	0.022 U	0.037 U	1	0.005 U	0.0076 U	18.1539	0.482	0.01 U	0.036 U	0.0241	
3986	10-NOV-88	11.2983	0.0051 U	0.0002 U	0.022 U	0.037 U	0.8	0.005 U	0.0076 U	16.8616	0.5387	0.01 U	0.036 U	0.0436	
3986	15-FEB-89	12.2016	0.0032 J	0.0002 U	0.027 U	0.022 U	1.1 J	0.001 U	0.004 U	19.2897	0.5371	0.001 U	0.034 U	0.0431	
3986	09-MAY-89	12.0399	0.0043 J	.0002 U	0.027 U	0.022 U	1.28 J	.001 U	0.004 U	18.8055	0.5335	.001 U	0.034 U	0.008 U	
3986	10-NOV-89	13.4	.0171	.0002 U	.1 U	.04 U	5.0 U	.005 U	.01 U	19.3	.541	.01 U	.05 U	.0522	
3986	04-JUN-90	13.1	0.0012 U	0.0002 U	0.0059 U	0.0092 B	0.986 B	0.0017 U	0.0045 U	18.5	0.536 B	0.0016 U	0.0302 U	0.0054 B	0.0075 B
3986	09-AUG-90	13.9	0.001 U	0.0002 U	0.0022 B	0.004 U	1.19 B	0.002 U	0.002 U	22.7	0.583	0.001 U	0.0131 B	0.0095 B	0.0075 B
3986	01-NOV-90	13.1	0.001 U	0.0002 U	0.0058 B	0.0089 B	1.5 BE	0.001 UN	0.0037 B	19.1	0.539	0.002 U	0.0456 B	0.0088 B	0.0056 B
3986	19-MAR-91	13	0.001 U	0.0002 U	0.012 B	0.004 U	1.53 BE	0.002 U	0.0036 B	22.3	0.572	0.001 UW	0.026 B	0.0084 B	0.0262
3986	14-MAY-91	12.2	0.001 U	0.0002 U	0.0089 B	0.0068 B	1.6 B	0.001 UW	0.002 U	22.9	0.54	0.001 U	0.0162 B	0.0002 U	0.0135 B
3986	16-AUG-91	11.3	0.0013 B	0.0002 U	0.0053 B	0.0039 B	1.49 B	0.001 B	0.002 U	21.6	0.513	0.002 U	0.014 U	0.0062 B	0.006 B
4086	06-MAY-87	31.2705	0.5351	0.0002 U	0.1035	0.0551	6	0.005 U	0.0076 U	134.5506	1.4881	0.01 U	0.024 U	0.009 U	0.005 U
4086	27-OCT-87	17.0217	0.1816	0.0002 U	0.0497	0.0468	3.9	0.005	0.0076 U	101.0152	0.8204	0.01 U	0.024 U	0.0229	

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E=Estimated Value

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Ground Water Dissolved Metal Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
4086	11-MAR-88	0.029 U	0.02 U	0.005 U	0.054	0.005 U	0.004	76.2347	0.02 U	0.01 U	0.022 U	0.0063 U	0.0227	0.005 U	0.1 U
4086	12-MAY-88	0.029 U	0.034 U	0.005 U	0.0476	0.001 U	0.005 U	67.6288	0.02 U	0.01 U	0.022 U	0.0101	0.0228	0.005 U	
4086	11-MAY-89	0.0329 J	0.05 U	.001 U	0.0621 J	0.002 U	0.005 U	82.9747	.2 U	0.009 U	0.029 U	0.004 U	0.035 U	.001 U	
4086	13-DEC-89	.5 U		.002 U	.0598	.002 U	.004 U	77.2	1.0 U	.02 U	.02 U	.0845	.0032		.051
4086	20-SEP-90	0.0249 B	0.0138 B	0.002 U	0.0616 B	0.001 U	0.002 UN	76	0.092 U	0.0065 B	0.003 U	0.002 UE	0.014 U	0.001 U	0.05 B
4086	28-NOV-90	0.0434 B	0.0189 B	0.002 U	0.0589 B	0.001 U	0.002 U	77.2	0.076 U	0.0092 B	0.003 U	0.0028 B	0.014 U	0.001 U	0.0383 B
4086	11-JAN-91	0.046 B	0.02 B	0.002 U	0.0588 B	0.001 U	0.002 U	71.7	0.076 U	0.0144	0.003 U	0.0041 B	0.0102 B	0.001 U	0.0382 B
4086	16-APR-91	0.104 B	0.0111 B	0.002 U	0.0648 B	0.001 U	0.002 U	76.1	0.112 U	0.0053 B	0.003 U	0.002 U	0.0801 B	0.001 U	0.0642 B
4086	06-SEP-91	0.1 U	0.05 U	0.002 U	0.1 U	0.002 U	0.0089	105	0.5 U	0.005 U	0.005 U	0.01 U	0.05 U	0.001 B	0.0587 B
4186	-SEP-86	0.1 U	0.05 U	0.002 U	0.1 U	0.005 U	0.005 U	96.9	0.15 U	0.01 U	0.05 U	0.02 U	0.075 U	0.01 U	
4186	06-MAY-87	0.029 U	0.06 U	0.01 U	0.1802	0.005 U	0.005 U	130.3624	0.2 U	0.01 U	0.022 U	0.0063 U	0.0669 U	0.005 U	
4186	01-JUN-87	0.029 U	0.06 U	0.01 U	0.1372	0.005 U	0.005 U	41.9511	0.2 U	0.01 U	0.022 U	0.0077	0.5796	0.005 U	
4186	21-JUL-87	0.0397	0.02 U	0.005 U	0.1832	0.005 U	0.001 U	111.9865	0.02 U	0.01 U	0.022 U	0.0112	0.0112	0.005 U	
4186	23-OCT-87	0.0679	0.006 J	0.005 U	0.2023	0.004 J	0.001 U	105.3990	0.02 U	0.0123	0.022 U	0.0103	0.0789	0.005 U	0.01 J
4086	11-MAR-88	17.5838	0.0432	0.0002 U	0.0256	0.037 U	5.3	0.004 J	0.0291	99.9352	0.8327	0.01 U		0.024 U	0.0269
4086	12-MAY-88	18.557	0.0125	0.0002 U	0.022 U	0.0378	3.8	0.005 U	0.0076 U	90.0279	0.7155	0.01 U		0.036 U	0.038
4086	11-MAY-89	18.616	0.0052 J	0.0002 U	0.027 U	0.0324 J	5.21	.22 J	0.004 U	110.4148	0.8904	.001 U		0.034 U	0.008 U
4086	13-DEC-89	17.1	.0157	.0002 U	.5 U	.02 U	3.8	.002 U	.03 U	102	.789	.003 U	1.0 U	.01 U	.0207
4086	20-SEP-90	18	0.002 B	0.0002 U	0.0066 B	0.004 U	3.64 B	0.003 B	0.003 U	100	.77	.002 U	0.0225 B	0.0336 B	0.0207
4086	28-NOV-90	17.7	0.0013 B	0.0002 U	0.0072 B	0.004 U	3.49 BE	0.004 B	0.003 U	97 E	.785	.002 U	0.0116 B	0.0054 B	0.0292
4086	11-JAN-91	17.9	0.0025 B	0.0002 U	0.0081 B	0.0059 B	3.37 B	0.006 S	0.003 U	91.3	.755	.003 U	0.0307 B	0.0074 B	0.0246
4086	16-APR-91	17.5	0.001 U	0.0002 U	0.0031 B	0.004 U	3.96 BE	0.002	0.0039 B	110	.809	.001 B	0.0286 B	0.0047 B	0.0349
4086	06-SEP-91	28.6	0.0072 B	0.0002 U	0.0105 B	0.0578	2.05 B	0.001 U	0.0054 B	45.2	.8887	.001 U	0.1 U	0.01 U	0.0206
4186	-SEP-86	15.6	0.854	0.0002 U	0.1 U	0.04 U	3.72	0.002 U	0.01 U	51.3	.42	.001 U		0.025 U	0.005 U
4186	06-MAY-87	17.7762	0.229	0.0002 U	0.022 U	0.037 U	3	0.005 U	0.0076 U	25.9055	.6754	.001 U		0.024 U	0.02 U
4186	01-JUL-87	16.0342	0.0051 U	0.0002 U	0.022 U	0.037 U	8.2	0.005 U	0.0076 U	18.0695	.5429	.001 U		0.024 U	0.02 U
4186	21-JUL-87	16.1562	0.0754	0.0002 U	0.022 U	0.0613	3.1	0.005 U	0.0076 U	18.2521	.5832	.001 U		0.0366	0.02 U
4186	23-OCT-87	15.9402	0.0186	0.0002 U	0.022 U	0.0754	2.1	0.005 U	0.0076 U	19.4115	.5712	.001 U		0.024 U	0.0786

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Ground Water Dissolved Metal Results
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Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
4186	11-MAR-88	0.029 U	0.005 U	0.02 U	0.1973	0.005 U	0.001	104.4861	0.02 U	0.01 U	0.022 U	0.0063 U	0.0107	0.005 U	0.1 U
4186	05-MAY-88	0.0516	0.034 U	0.005 U	0.1985	0.0027	0.005 U	115.0324	0.02 U	0.01 U	0.022 U	0.0211	0.0284	0.005 U	
4186	22-NOV-88	0.0692	0.0434	0.005 U	0.2334	0.001 U	0.005 U	129.1391	0.02 U	0.01 U	0.022 U	0.0063 U	0.0551	0.005 U	
4186	20-FEB-89	0.0776 J	0.05 U	0.001 U	0.2418	0.002 U	0.005 U	126.3723	0.005 U	0.0126	0.029 U	0.0131 J	0.1968	.0026 J	
4186	11-MAY-89	0.049 J	0.05 U	0.001 U	0.2493	0.002 U	0.005 U	125.1505	.2 U	0.009 U	0.029 U	0.004 U	0.035 U	.001 U	
4186	20-NOV-90	0.02 U	0.022 U	0.001 U	0.219	0.001 U	0.005 U	121	0.5 U	0.004 U	0.005 U	0.003 U	0.001 U	0.0101 B	
4186	10-JAN-91	0.0514 B	0.0234 B	0.002 U	0.172 B	0.001 U	0.002 U	92	0.076 U	0.0176	0.0045 B	0.0042 B	0.0614 B	0.001 U	0.0054 B
4286	-SEP-86	0.1 U	0.05 U	0.002 U	0.15	0.005	0.005 U	122	0.15 U	0.01 U	0.05 U	0.02 U	0.075 U	0.01 U	
4286	12-MAR-87	2.6303	0.06 U	0.01 U	0.3254	0.005 U	0.005 U	164.5958	0.2 U	0.01 U	0.022 U	0.007	2.1119	0.005 U	
4286	26-MAY-87	0.029 U	0.06 U	0.01 U	0.1893	0.005 U	0.005 U	145.0887	0.2 U	0.01 U	0.022 U	0.0063 U	0.009	0.013	
4286	24-JUL-87	0.5356	0.02 U	0.005 U	0.2371	0.005 U	0.0004 J	130.8069	0.02 U	0.01 U	0.022 U	0.0141	0.3556	0.005	
4286	15-OCT-87	0.0385	0.02 U	0.005 U	0.2195	0.001 J	0.001 U	123.4732	0.02 U	0.0201	0.022 U	0.0063 U	0.0384	0.005 U	0.01 J
4286	04-MAR-88	0.029 U	0.02 U	0.005 U	0.2023	0.005 U	0.001 U	126.4858	0.02 U	0.01 U	0.022 U	0.0063 U	0.095	0.005 U	0.1 U
4286	05-MAY-88	0.0503	0.034 U	0.005 U	0.1849	0.001 U	0.005 U	121.5535	0.02 U	0.01 U	0.022 U	0.0593	0.0275	0.005 U	
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Nickel (Ni)	Molybdenum (Mo)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
4186	11-MAR-88	15.6787	0.0051 U	0.0002 U	0.022 U	0.037 U	1.9	0.005 U	0.0076 U	16.3165	0.5817	0.01 U	0.024 U	0.02 U	
4186	05-MAY-88	17.1654	0.0051 U	0.0002 U	0.022 U	0.037 U	1.9	0.005 U	0.0295	16.6979	0.5893	0.01 U	0.036 U	0.0377	
4186	22-NOV-88	16.8428	0.0051 U	0.0002 U	0.022 U	0.037 U	1.2	0.005 U	0.0076 U	19.1148	0.6698	0.01 U	0.036 U	0.0555	
4186	20-FEB-89	17.7895	0.0055 J	0.0002 U	0.027 U	0.022 U	1.85 J	0.001 U	0.004 U	21.4211	1.6596	0.001 U	0.034 U	0.0565	
4186	11-MAY-89	17.0629	0.002 U	.0002 U	0.027 U	0.0325 J	2.19 J	.001 U	0.004 U	21.3037	0.6416	.001 U	0.034 U	0.008 U	
4186	20-NOV-90	17.9	0.0015 B	0.0002 U	0.009 U	0.0119 B	0.821 B	0.002 U	0.0031 B	24.9	0.628	0.002 U	0.0586 B	0.0047 B	0.0025 B
4186	10-JAN-91	14.8	0.0174	0.0002 U	0.0058 B	0.0572	1.39 B	0.002 UW	0.0034 B	19.8	0.5116	0.003 U	0.0288 B	0.008 B	0.0137 B
4286	-SEP-86	11.9	0.578	0.0002 U	0.1 U	0.04 U	1.73	0.002 U	0.01 U	13.4	0.308	0.01 U	0.025 U	0.005 U	
4286	12-MAR-87	14.9256	0.3424	0.0002 U	0.022 U	0.105	5 U	0.005 U	0.0076 U	17.9722	0.5742	0.01 U	0.24 U	0.03	
4286	26-MAY-87	13.0698	0.0391	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	14.4499	0.5034 U	0.01 U	0.024 U	0.02 U	
4286	24-JUL-87	10.9716	0.0203	0.013	0.022 U	0.0375	1.2	0.005 U	0.0076 U	15.3966	0.4566	0.01 U	0.024 U	0.02 U	
4286	15-OCT-87	10.7988	0.0089	0.0004	0.022 U	0.037 U	1.4	0.005 U	0.0076 U	15.3125	0.4461	0.01 U	0.0393	0.0257	
4286	04-MAR-88	10.8989	0.0051 U	0.0002 U	0.022 U	0.037 U	0.8	0.005 U	0.0076 U	14.7025	0.4405	0.01 U	0.024 U	0.02 U	
4286	05-MAY-88	10.4139	0.0051 U	0.0002 U	0.022 U	0.037 U	0.9	0.005 U	0.128	14.7554	0.4071	0.01 U	0.036 U	0.0559	

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Ground Water Dissolved Metal Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
4286	25-AUG-88	0.059 U	0.034 U	0.005 U	0.2003	0.001 U	0.005 U	114.3637	0.02 U	0.01 U	0.0063 U	0.0166	0.005 U		
4286	17-NOV-88	0.029 U	0.034 U	0.005 U	0.2084	0.001 U	0.005 U	138.1292	0.02 U	0.01 U	0.0063 U	0.0198	0.005 U		
4286	20-FEB-89	0.1024 J	0.05 U	0.001 U	0.2517	0.002 U	0.005 U	137.1833	0.005 U	0.0149	0.029 U	0.004 U	0.2002	0.001 U	
4286	09-MAY-89	0.0259 B	0.05 U	.001 U	0.2153	0.002 U	0.005 U	152.5537	.2 U	0.009 U	0.035 U	0.035 U	.001 U		
4286	06-DEC-89	.2 U	.06 U	.01 U	.227	.005 U	.005 U	121	2.5 U	.01 U	.025 U	.1 U	.003 U	.1 U	
4286	11-JUN-90	0.37	0.06 U	0.01 U	0.203	0.005 U	0.005 U	128	0.1 U	0.01 U	0.025 U	0.1 U	0.003 U	0.1 U	
4286	24-AUG-90	0.0399 B	0.01 U	0.001 U	0.194 B	0.001 U	0.002 U	123	0.147 UN	0.0093 B	0.004 U	0.003 U	0.013 UN	0.001 UN	
4286	16-NOV-90	0.0653 B	0.0117 B	0.002 U	0.219	0.001 U	0.002 U	144	0.2 B	0.016	0.003 U	0.0077 B	0.0228 B	0.001 U	
4286	17-MAY-91	0.0695 B	0.0199 B	0.002 U	0.26	0.001 U	0.002 U	161	0.112 U	0.0036 B	0.003 U	0.011 U	0.0093 B	0.001 U	
6786	-NOV-86	0.1 U	0.055 U	0.01 U	0.243	0.005 U	0.005 U	49.8	0.15 U	0.01 U	0.02 U	0.02 U	0.075 U	0.005 U	
6786	11-MAY-87	0.0334	0.06 U	0.01 U	0.0909	0.005 U	0.005 U	88.8143	0.2 U	0.01 U	0.022 U	0.0091	0.0223	0.005 U	
6786	01-JUN-87	0.029 U	0.06 U	0.01 U	0.1412	0.005 U	0.005 U	85.1284	0.2 U	0.01 U	0.022 U	0.0063 U	0.0669 U	0.022	
6786	21-JUL-87	0.0379	0.02 U	0.005 U	0.0824	0.005 U	0.001 U	84.8549	0.02 U	0.01 U	0.022 U	0.0175	0.0531	0.005 U	
6786	12-JUN-90	0.273	0.06 U	0.01 U	0.2 U	0.005 U	0.005 U	64.7	0.1 U	0.01 U	0.025 U	0.1 U	0.003 U	0.1 U	
Well Number	Date	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
4286	25-AUG-88	10.2137	0.0133	0.0002 U	0.022 U	0.0377	1.2	0.005 U	0.0076 U	17.863	0.4498	0.01 U	.036 U	0.0283	
4286	17-NOV-88	11.7878	0.0143	0.0002 U	0.022 U	0.0721	0.7	0.005 U	0.0076 U	18.1312	0.512	0.01 U	0.036 U	0.02 U	
4286	20-FEB-89	12.7926	0.2628	0.0002 U	0.0605	0.6822	1.15 J	0.001 U	0.004 U	16.9611	0.5138	0.001 U	0.034 U	0.0384	
4286	09-MAY-89	13.4631	0.0052 J	.0002 U	0.027 U	0.022 U	1.52 J	.001 U	0.004 U	17.6872	0.5487	0.01 U	0.034 U	0.0209	
4286	06-DEC-89	11.7	.015 U	.0002	.1 U	.04 U	5.0 U	.005 U	.01 U	15	.532	.01 U	.1 U	.05 U	.02 U
4286	11-JUN-90	11.5	0.015 U	0.0002 U	0.1 U	0.04 U	5.0 U	0.005 U	0.01 U	15.4	0.457	0.01 U	0.1 U	0.05 U	0.02 U
4286	24-AUG-90	10.9	0.0014 B	0.0002 U	0.0029 B	0.004 U	1.0 B	0.001 UN	0.0021 B	15.7	0.439	0.003 UN	0.0272 B	0.0076 B	0.0195 B
4286	16-NOV-90	12.7	0.0018 B	0.0002 U	0.0174 B	0.0113 B	1.23 B	0.001 U	0.0047 B	15.7	0.481	0.002	0.02 B	0.0076 B	0.011 B
4286	17-MAY-91	14.3	0.0051 B	0.0002 U	0.0032 B	0.0284 B	1.2 B	0.001	0.002 U	17.7	0.562	0.001 UW	0.0115 B	0.002 U	0.0082 B
6786	-NOV-86	23.2	0.161	0.0002 U	0.1 U	0.02 U	1.0 U	0.005 U	0.016	63.4	0.719	0.01 U	0.025 U	0.03 U	
6786	11-MAY-87	38.092	0.0051 U	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	91.2838	1.2075	0.01 U	0.024 U	0.02 U	
6786	01-JUN-87	33.2019	0.0051 U	0.0002 U	0.022 U	0.037 U	5 U	0.005 U	0.0076 U	80.9195	1.0895	0.01 U	0.024 U	0.0677	
6786	21-JUL-87	32.642	0.0051 U	0.0002 U	0.022 U	0.037 U	0.8	0.003 J	0.0076 U	91.2942	1.0861	0.01 U	0.0359	0.02 U	
6786	12-JUN-90	27.1	0.015 U	0.0002 U	0.1 U	0.04 U	5.0 U	0.005 U	0.01 U	75.6	0.893	0.01 U	0.1 U	0.05 U	0.02 U

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E=Estimated Value

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Ground Water Dissolved Metal Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Al)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
6786	22-AUG-90	0.0178 B	0.01 U	0.002 U	0.0953 B	0.001 U	0.002 U	66.8	0.147 U	0.006 U	0.004 U	0.005 B	0.013 U	0.001 U	0.0362 B
B218789	13-SEP-90	0.0708	0.0216 B	0.002 U	0.127 B	0.001 U	0.002 U	99.5	0.092 U	0.0207	0.003 U	0.0142 B	0.0258	0.0011 B	0.01 B
B218789	22-OCT-90	0.0649 B	0.007 U	0.002 U	0.134 BE	0.001 U	0.002 U	104	0.076 U	0.0192	0.003 U	0.0029 B	0.0314	0.001 UW	0.032 B
B218789	08-MAR-91	0.0682 B	0.008 U	0.002 U	0.108 B	0.001 U	0.002 U	111	0.076 U	0.005 U	0.003 U	0.002 U	0.0462 B	0.001 UW	0.0053 B
B218789	21-MAY-91	0.0566 B	0.0082 B	0.002 U	0.131 B	0.001 U	0.002 U	102	0.112 U	0.0032 B	0.003 U	0.011 U	0.0142 B	0.001 U	0.0064 B
B218789	20-AUG-91	0.0765 B	0.008 U	0.002 U	0.128 BE	0.001 U	0.001 U	99.8	0.07 B	0.0058 B	0.002 U	0.003 U	0.083 B	0.001 U	0.0058 B
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
6786	22-AUG-90	26.9	0.0071 B	0.0002 U	0.0094 B	0.0493	0.716 B	0.002 U	0.002 U	82.2	0.904	0.003	0.023 B	0.0071 B	0.0028
B218789	13-SEP-90	9.25	0.0097 B	0.0002 U	0.0063 B	0.0067 B	1.16 B	0.002 U	0.0047 B	18.7	0.36	0.001 UW	0.0179 B	0.0143 B	0.0075 B
B218789	22-OCT-90	9.02	0.0016 B	0.0002 U	0.0087 B	0.0063 B	1.06 B	0.002 U	0.0089 B	17.8	0.367	0.002	0.0412 B	0.0105 B	0.003 B
B218789	08-MAR-91	9.84	0.0049 B	0.0002	0.003 U	0.004 U	1.18 BE	0.02 UW	0.003 U	15.7	0.389	0.001 UW	0.0391 B	0.0033 B	0.0091 B
B218789	21-MAY-91	9.07	0.001 U	0.0002 U	0.002 U	0.003 U	0.943 B	0.001 B	0.002 U	19	0.368	0.001 U	0.0029 B	0.0096 B	
B218789	20-AUG-91	8.83	0.001 U	0.0002 U	0.003 U	0.003 U	0.914 B	0.001 U	0.002 U	19	0.381	0.002 U	0.014 U	0.0066 B	0.0052 B

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**GROUND-WATER SAMPLING RESULTS
TOTAL METALS**

Ground Water Total Metal Results
903 Pad Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Al)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
0171	20-NOV-90	0.03 B	0.022 U	0.001 U	0.291	0.001 U	0.005 U	72.7	0.5 U	0.004 U	0.004 U	0.0072 B	0.115	0.0014 B	0.0026 B
0171	10-SEP-91	0.1 U	0.05 U	0.002 U	0.286	0.002 U	0.0051	78.2	0.5 U	0.005 U	0.01 U	0.01 U	0.975	0.0017 B	0.05 U
0271	10-SEP-91	18.4	0.05 U	0.002 U	0.215	0.0137	0.003 U	286	0.5 U	0.0317	0.01 U	0.0351	236	0.008	0.154
1187	18-SEP-90	0.06 U	0.03 U	0.002 UW	0.091 B	0.002 U	0.0046 B	111	0.002 UW	0.0215	0.01 U	0.0114 B	0.278	0.002 U	0.0657
1187	06-SEP-91	0.821	0.05 U	0.002 U	0.1 U	0.002 U	0.0073	120	0.5 U	0.081	0.01 U	0.01 U	1.35	0.01 U	0.0611 B
1287	09-SEP-91	0.836	0.05 U	0.002 U	0.1 U	0.002 U	0.0046 B	38.2	0.5 U	0.0182	0.01 U	0.01 U	1.44	0.0033	0.074 B
1487	05-SEP-91	0.354	0.05 U	0.0022 B	0.1 U	0.002 U	0.003 U	52	0.5 U	0.0099 B	0.01 U	0.0111 B	0.359	0.01 U	0.119
1587	18-SEP-90	0.0894 B	0.03 U	0.002 U	0.175 B	0.002 U	0.002 U	123	0.002 UW	0.0169	0.01 U	0.01 U	0.0368 B	0.002 U	0.05 U
1687	18-SEP-90	0.06 U	0.03 U	0.002 U	0.0743 B	0.002 U	0.002 U	33.1	0.002 U	0.01 U	0.01 U	0.01 U	0.002 UW	0.005 U	0.05 U
1687	05-SEP-91	1.07	0.05 U	0.0026 B	0.1 U	0.002 U	0.003 U	34.4	0.5 U	0.0276	0.01 U	0.0121 B	1.17	0.0026 B	0.05 U
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)
0171	20-NOV-90	14.8	0.1	0.0002 U	0.0009 U	0.009 U	1.1 B	0.002 U	0.003 U	16.9	0.429	0.0035 B	0.03 U	0.0054 B	0.0091 B
0171	10-SEP-91	15.1	0.0962	0.0002 U	0.01 U	0.01 U	2.0 U	0.001 U	0.005 U	18.7	0.516	0.001 U	0.1 U	0.01 U	0.0311
0271	10-SEP-91	82	1.24	0.0002 U	0.0107 B	0.051	6.41	0.003 B	0.005 U	290	2.16	0.001 U	0.1 U	0.0494 B	0.142
1187	18-SEP-90	31.4	0.0784	0.0002 U	0.0113	0.269	2.88 B	0.014 S	0.0129	47.2	0.952	0.002 U	0.05 U	0.01 U	0.005 U
1187	06-SEP-91	30.5	0.0657	0.0002 U	0.0134 B	0.0977	2.53 B	0.0039	0.005 U	45.7	0.1 U	0.001 U	8.99	0.0103 B	0.0437
1287	09-SEP-91	8.32	0.0332	0.0002 U	0.01 U	0.0206 B	2.0 U	0.0019 B	0.005 U	148	0.279	0.001 U	0.1 U	0.01 U	0.0215
1487	05-SEP-91	19.1	0.0666 B	0.0002 U	0.01 U	0.01 U	2.93 B	0.0021 B	0.0059 B	83.6	0.1 U	0.001 U	8.77	0.0133 B	0.0206
1587	18-SEP-90	10.8	0.0662 B	0.0002 U	0.01 U	0.02 U	0.97 B	0.002 UW	0.0125	8.19	0.447	0.002 U	0.05 U	0.01 U	0.005 U
1687	18-SEP-90	7.26	0.0108 B	0.0002 U	0.0196	0.02 U	2.94 B	0.002 UW	0.01 U*	79.2	0.38	0.002 U	0.05 U	0.01 U	0.0147 B
1687	05-SEP-91	7.61	0.0341	0.0002 U	0.0109 B	0.0213 B	2.79 B	0.001 B	0.005 U	76.1	0.388	0.001 U	0.1 U	0.01 U	0.0309

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Ground Water Total Metal Results
Mound Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
0174	05-MAY-90									1.0 U					
0174	15-AUG-91	0.0673	0.0632	0.002 U	0.165 B	0.001 U	0.0023 B	87.4	0.08 B	0.0151	0.0037 B	0.003 U	0.0371 B	0.001 U	0.0064 B
1787	09-MAR-91	0.104 B	0.03 U	0.002 U	0.137 B	0.002 U	0.0036 B	116	0.002	0.0201	0.01 U	0.02 B	0.0332 B	0.002 UW	0.05 U
1787	19-AUG-91	1.24 *	0.045 BN	0.002 U	0.145 B	0.001 U	0.0024 B	109	0.032 U	0.051	0.0064 B	0.0082 B	1.68	0.002 B	0.0064 B
2387	19-AUG-91	2.55 *	0.0514	0.002 U	0.198 B	0.001 U	0.0024 B	113	0.032 U	0.0482	0.0048 B	0.0057 B	3.54	0.0045	0.0063 B
0174	05-MAY-90														
0174	15-AUG-91	12.7	0.0122 B	0.0002 U	0.0032 B	0.0062 B	0.772 B	0.002 B	0.0026 B	7.6	0.447 N	0.002 U	0.0279	0.0063 B	0.0441
1787	09-MAR-91	11.1	0.0064 B	0.0002 U	0.01 U	0.0246 B	1.69 B	0.002 U	0.025	18	0.475	0.002 UW	0.2 U	0.011 B	0.0188 B
1787	19-AUG-91	9.61	0.0995	0.0002 U	0.0087 B	0.0314 B	2.15 B	0.001 U	0.0045 B	13.5	0.407 N	0.002 U	0.0269	0.0119 B	0.0294
2387	19-AUG-91	13	0.0554	0.0002 U	0.0068 B	0.0303 B	1.78 B	0.001 B	0.0037 B	9.52	0.492 N	0.002 U	0.0251	0.0124 B	0.0296

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Ground Water Total Metal Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
0374	22-AUG-91	1.29 *	0.028 B	0.002 UN	0.216 E	0.001 U	0.0019 B	113	0.032 U	0.0184	0.0045 B	0.0186 B	2.59 *	0.0066	0.0074 B
2274	20-SEP-90	0.06 U	0.03 U	0.002 UW	0.249	0.002 U	0.0035 B	105	0.002 UW	0.014	0.01 U	0.01 U	0.0275 B	0.0101	0.05 U
2274	09-SEP-91	5.39	0.05 U	0.0027 B	0.317	0.002 U	0.0051	105	0.5 U	0.0189	0.01 U	0.01 U	5.22	0.0097	0.05 U
2587	10-SEP-91	7.37	0.05 U	0.0051 B	0.175 B	0.002 U	0.003 U	141	0.5 U	0.0267	0.01 U	0.0104 B	8.85	0.0078	0.05 U
3187	10-SEP-91	0.981	0.05 U	0.0061 B	0.1 U	0.002 U	0.003 U	23.8	0.5 U	0.0561	0.01 U	0.0158 B	1.19	0.0033	0.05 U
3287	19-SEP-90	0.06 U	0.03 U	0.002 U	0.256	0.002 U	0.0025 B	115	0.002 UW	0.0143	0.01 U	0.0118 B	0.011 B	0.002 U	0.05 U
3487	18-SEP-90	0.06 U	0.03 U	0.002 U	0.0568 B	0.002 U	0.002 U	18.5	0.002 U	0.01 U	0.01 U	0.0148 B	0.002 U	0.05 U	
3487	05-SEP-91	16.6	0.05 U	0.0032 B	0.191 B	0.0023 B	0.003 U	31.9	0.5 U	0.0381	0.01 U	0.0276	11.6	0.015	0.05 U
3687	08-MAR-91	0.0871 B	0.03 U	0.002 UW	0.21	0.002 U	0.0031 B	135	0.002	0.018	0.01 U	0.0127 B	0.0131 B	0.002 UW	0.05 U
3687	23-AUG-91	1.79 *	0.0276 B	0.002 UN	0.237 E	0.001 U	0.0042 B	127	0.032 U	0.0362	0.0054 B	0.019 B	2.84 *	0.0049	0.0062 B
3986	16-AUG-91	2.98 *	0.0451	0.002 U	0.22	0.001 U	0.0025 B	96.2	0.06 B	0.0284	0.0069 B	0.0048 B	3.45	0.0032	0.0087 B
4086	06-SEP-91	0.514	0.05 U	0.002 U	0.1 U	0.002 U	0.0054	79.7	0.5 U	0.0572	0.01 U	0.01 U	0.71	0.002 B	0.05 U
4186	17-SEP-90	0.06 U	0.03 U	0.002 U	0.22	0.002 U	0.002 B	119	0.002 UW	0.0162	0.01 U	0.014 B	0.004 B	0.002 UW	0.05 U
4286	08-MAR-91	0.099 B	0.03 U	0.002 UW	0.23	0.002 U	0.004 B	150	0.002	0.0219	0.01 U	0.0141 B	0.0165 B	0.002 UW	0.05 U
Well Number	Date Sampled	Magnesium (Mg)	Manganese (Mg)	Mercury (Hg)	Nickel (Mo)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Vanadium (V)	Zinc (Zn)	
0374	22-AUG-91	10.9	0.0667	0.0002 U	0.0042 B	0.0086 B	1.31 B	0.002 B	0.0036 B	21.8	0.342	0.002 U	0.0218 B	0.0113 B	0.0398
2274	20-SEP-90	20.7	0.0108 B	0.0002 U	0.01 U	0.02 U	3.24 B	0.002 UW	0.01 U*	30.7	0.941	0.002 U	0.05 U	0.01 U	0.0212
2274	09-SEP-91	21.4	0.333	0.0002 U	0.01 U	0.0166 B	4.19 B	0.0012 B	0.005 U	35.7	0.991	0.001 U	0.1 U	0.0202 B	0.049
2587	10-SEP-91	10.4	0.118	0.0002 U	0.01 U	0.0153 B	2.41 B	0.001 U	0.005 U	10.8	0.35	0.001 U	0.1 U	0.0298 B	0.0574
3187	10-SEP-91	4.87 B	0.0236	0.0002 U	0.0123 B	0.0412	2.67 B	0.001 U	0.005 U	82.3	0.28	0.001 U	0.1 U	0.01 U	0.0864
3287	19-SEP-90	15.1	0.0041 B	0.0002 U	0.01 U	0.02 U	1.74 B	0.002 UW	0.0113	24.7	0.537	0.002 U	0.05 U	0.01 U	0.0077 B
3487	18-SEP-90	5.65	0.0077 B	0.0002	0.01 U	0.02 U	2.9 B	0.002 UW	0.01 U	78.6	0.268	0.002 UW	0.05 U	0.01 U	0.0054 B
3487	05-SEP-91	9.85	0.111	0.0002 U	0.01 U	0.035 B	5.04	0.0015 B	0.005 U	76.2	0.415	0.001 U	0.1 U	0.0505	0.135
3687	08-MAR-91	10.9	0.0322	0.0002 U	0.01 U	0.021 B	0.903 B	0.002 UW	0.0243	9.98	0.391	0.002 UW	0.2 U	0.01 U	0.0117 B
3687	23-AUG-91	9.88	0.0461	0.0002 U	0.0046 B	0.0247 B	1.25 B	0.002 U	0.0038 B	9.41	0.326	0.002 U	0.0299 B	0.0138 B	0.0293
3986	16-AUG-91	12	0.07	0.0002 U	0.007 B	0.0184 B	2.04 B	0.001 B	0.0036 B	17.3	0.489 N	0.002 U	0.0232	0.0151 B	0.0374
4086	06-SEP-91	17.9	0.0209	0.0002 U	0.01 U	0.0338	3.59 B	0.01 U	0.005 U	103	0.819	0.001 U	0.1 U	0.01 U	0.0426
4186	17-SEP-90	17.4	0.0056 B	0.0002 U	0.01 U	0.02 U	1.41 B	0.002 UW	0.0121	25.8	0.674	0.002 U	0.05 U	0.01 U	0.005 U
4286	08-MAR-91	13.5	0.0066 B	0.0002 U	0.01 U	0.0318 B	1.28 B	0.002 UW	0.0281	16.8	0.527	0.002 U	0.2 U	0.0128 B	0.0092 B

B=Value less than Contract Required Detection Limit (CRDL) but greater than Instrument Detection Limit (IDL)

*=Duplicate analysis not within control limits

J=Present below detection limit

U=Analyzed but not detected

V=Valid and acceptable

A=Acceptable with qualifications

Ground Water Total Metal Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)
B218789	20-AUG-91	0.517 *	0.0356	0.002 U	0.125 B	0.001 U	0.0024 B	98.7	0.032 U	0.0174	0.0046 B	0.003 U	0.437	0.001 U	0.0061 B
B218789	20-AUG-91	8.86	0.0102 B	0.0002 U	0.003 U	0.0038 B	1.17 B	0.001 U	0.0034 B	18.4	0.346 N	0.002 U	0.0215	0.0107 B	0.0091 B

B=Value less than Contract Required Detection Limit (CRDL) but greater than Instrument Detection Limit (IDL)

*=Duplicate analysis not within control limits

U=Analyzed but not detected

A=Acceptable with qualifications

E=Estimated Value

R=Rejected

V=Valid and acceptable

Tin (Sn)

Vanadium (V)

Zinc (Zn)

**GROUND-WATER SAMPLING RESULTS
INORGANIC COMPOUNDS**

Ground Water Inorganic Results
903 Pad Area
Results reported in mg/l

Well Number	Date Sampled	Total Dissolved Solids, TDS	Chloride Cl	Nitrate/Nitrite* NO ₂	Sulfate SO ₄	Bicarbonate HCO ₃	pH	Total Suspended Solids, TSS
0171	-AUG-86	320	17	19.9	22			
0171	09-MAR-87	311	21.1	7.30	24.0		203	
0171	30-APR-87	276	21.5	4.40	18.0		212	
0171	01-MAY-87	276	21.5	4.40	18.0		212	
0171	21-MAY-87	319	18.9	6.4	19.0		211	
0171	02-JUL-87	329	16	6.4	18.0		217	
0171	14-OCT-87	292	20.7	3.76	12.0		215	
0171	26-FEB-88	297	19.4	2.60	16.5		123	
0171	19-APR-88	313	17.4	3.94	1.83		211	
0171	26-JUL-88	289 J	19.0 J	5.22	18.8		226 J	
0171	31-OCT-88	312	18.5	5.91	18.7		204	
0171	02-FEB-89	332	19.8	5.25	18.6		203	
0171	02-MAY-89	291	18.1	4.99	19.4		216	
0171	08-AUG-89	350	19.1	5.79	19.9		216	
0171	29-NOV-89	320	20	5.5	24		230	
0171	23-FEB-90	350	23	8.1	16		270	
0171	20-NOV-90	27	23	3.8	220			
0171	17-APR-91	310	26	4.6	25			
0171	10-SEP-91	376					4 U	
0271	-AUG-86	1100	320	5.0 U	97			
0271	11-MAR-87	710	244	5.40	134		139	
0271	09-APR-87	733	164	4.70	150		144	
0271	21-MAY-87	863	230	1.50	250		159	
0271	02-JUL-87	956	269	5.6	165		158	
0271	26-FEB-88	1247	363	1.93	278		81.0	
0271	21-APR-88	1473	436	5.03	328		159	
0271	26-JUL-88	1627 J	573 J	1.68 J	44.3		162 J	
0271	08-AUG-89	1876	501	1.63	418		97.1	
0271	30-NOV-89	1600	530	1.8	330		110	
0271	26-FEB-90	1300	210	0.10	260		120	
0271	21-NOV-90	2700	1100	1.0	250		140	
0271	19-APR-91	2000	930	0.3	240		4	
0271	10-SEP-91	3600						
1187	18-SEP-87	611	88.5	2.25	104		289	
1187	18-FEB-88	556	92.4	1.60	60.0		280	
1187	01-DEC-89	590	82	4.4	110		280	
							7.5	

*Where no value for Nitrate/Nitrite, value has been obtained from summation of nitrate and nitrite values
U=Present below detection limit
E=Estimated value
A=Acceptable with qualifications
V=Valid
R=Rejected

Ground Water Inorganic Results
903 Pad Area
Results reported in mg/l

Well Number	Date Sampled	Total Dissolved Solids, TDS	Chloride Cl	Nitrate/Nitrite*		Sulfate SO4	Bicarbonate HCO3	PH	Total Suspended Solids, TSS
				NO3	NO2				
1187	23-JAN-90	570	90	1.3		93	350	7.6	20
1187	15-JUN-90	591	84.5	1.4		80.1	285		4
1187	18-SEP-90	700	81.39	1.9200			285.7		4 U
1187	28-NOV-90	560	89	2.7		78	280		8
1187	15-JAN-91	570	79			66	290		9
1187	16-APR-91	540	86	2.3		85	290		5.0
1187	06-SEP-91	673							
1287	02-SEP-87	654	60.5	1.30		108	368		
1287	26-FEB-88	617	38.8	0.71		46.2	212		
1287	21-APR-88	641	57.0	1.33		102	354		
1287	26-JUL-88	635 J	53.3 J	1.6 J		203	348 J		
1287	14-NOV-89	570	33			110	410		
1287	24-JAN-90	540	37	2.2		92	400		
1287	20-SEP-90	520	43	2.5		79	320		
1287	28-NOV-90	600	42	2.2		98	330		
1287	09-SEP-91	554					22.0		
1487	01-SEP-87	661	27.0	1.70		27.0	530		
1487	13-OCT-87	635	30.2	1.60		41	48		
1487	01-MAR-88	265	28.0	1.59			43.1		36.3
1487	22-APR-88	275	24.8	1.70			48.8		75.4
1487	09-AUG-88	287 J	26.1 J	1.71 J			41.9		112 J
1487	26-OCT-88	288	30.9	1.77			43.8		122
1487	25-JAN-89	320	32.6	1.83			46.5		158
1487	25-APR-89	288	32.0	1.73			47.2		141
1487	03-AUG-89	326	34.0	2.12			47.8		177
1487	28-NOV-89	360	46	3.7			54		8.2
1487	25-JAN-90	420	46	2.6			60		7.3
1487	18-SEP-90	380	50	2.2			50		290
1487	20-NOV-90	440	46	1.5			50		240
1487	11-JAN-91	410	49	2.6			51		250
1487	15-APR-91	410	49	2.6			51		19
1487	05-SEP-91	440							8
1587	01-MAR-88	456	58.8	3.88					244
1587	21-APR-88	437	48.1	4.82					223
1587	03-AUG-89	354	23.5	3.73					12.7
1587	24-JAN-90	410	70	5.1					32
									260
									16.0

*where no value for Nitrate/Nitrite, value has been obtained from summation of nitrate and nitrite values
J=Present below detection limit
E=Estimated value
R=Rejected
V=Valid
A=Acceptable with qualifications

Ground Water Inorganic Results
903 Pad Area
Results reported in mg/l

Well Number	Date Sampled	Total Dissolved Solids, TDS	Chloride Cl	Nitrate/Nitrite* NO ₂	Sulfate SO ₄	Bicarbonate HC ₀₃	pH	Total Suspended Solids, TSS
1587	18-SEP-90	507	58.55	8.1100	19	240.6	626	
1587	27-NOV-90	500	62	4.2	28	230	660	
1587	09-JAN-91	430	65			370	1100	
1587	15-APR-91	410	46	3.7	13	210	970	
1587	03-SEP-91	310	10	2.5		220	1100	
1687	10-SEP-87	256	4.14	0.46	124	119		
1687	17-OCT-87	264	3.7	1.58	77	133		
1687	01-MAR-88	287	7.46	0.35	93.8	83.1		
1687	22-APR-88	277	4.04	0.05	84.8	166		
1687	10-AUG-88	286 J	3.33 J	0.02 U	64.6	176 J		
1687	31-OCT-88	276	4.12	1.46	73.0	161		
1687	07-FEB-89	312	3.34	1.56	77.0	171		
1687	02-MAY-89	300	3.14	2.02	61.5	177		
1687	03-AUG-89	337	3.57	1.89	85.4	185		
1687	06-NOV-89	310	30	2.2	58	230		
1687	17-MAR-90	340	10	2.5	62	220		
1687	28-NOV-90	320	7.8	0.8	61	200		
1687	09-JAN-91	320	5.2	1.3	60	210		
1687	16-APR-91	310	2.8	0.6	70	210		
1687	05-SEP-91	385	4.6 J	63.3	42	130		
					64.0	42		

*Where no value for Nitrate/Nitrite, value has been obtained from summation of nitrate and nitrite values
J=Present below detection limit
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A=Acceptable with qualifications
V=Valid
E=Estimated value
R=Rejected

Ground Water Inorganic Results
Mound Area
Results reported in mg/l

Well Number	Date Sampled	Total Dissolved Solids, TDS	Chloride Cl	Nitrate/Nitrite*, NO2	Sulfate SO4	Bicarbonate HCO3	pH	Total Suspended Solids, TSS
0174	-AUG-86	420	23	44.8	37	62		
0174	11-MAR-87	405	30.5	9.80	30.0	218		
0174	22-MAY-87	381	23.2	8.50	44.0	209		
0174	23-JUL-87	465	20.5	5.9	30.0	220		
0174	04-MAR-88	421	21.7	7.22	27.5	129		
0174	29-APR-88	419	20.8	6.60	29.3	208		
0174	12-AUG-88	392 J	22.2 J	7.28 J	3.29 J	251 J		
0174	04-NOV-88	385	19.5	7.12	30.4	208		
0174	04-MAY-89	397	26.1	6.03	33.9	212		
0174	10-AUG-89	420	23.4	6.54	33.4	206		
0174	17-NOV-89	360	24	5.5	34	260	7.4	
0174	09-FEB-90	390	29	6.2	31	260	7.5	
0174	05-MAY-90	350		2		212		
0174	15-NOV-90	370	24	4.9	26	200	4 U	
0174	10-MAY-91	340	33	4.7	26	200		
0174	15-AUG-91	400	28	4.8	31	200	710	
1787	06-NOV-87	466	275	0.79	46.7	275		
1787	04-MAR-88	439	42.5	0.97	26.9	166		
1787	29-APR-88	438	41.2	1.50	28.0	269		
1787	16-AUG-88	410 J	37.2 J	1.94 J	83.0	288 J		
1787	04-NOV-88	443	40.0	2.08	57.1	256		
1787	07-FEB-89	437	34.1	2.35	22.7	257		
1787	04-MAY-89	405	37.1	2.26	20.3	271		
1787	10-AUG-89	488	47.0	4.49	25.2	265		
1787	01-NOV-89	440	53	4.6	29	340	7.5	
1787	29-JAN-90	490	57	4.3	20	350	7.4	
1787	06-NOV-90	590	57	5.8	14	280	260	
1787	09-MAR-91	440	60.6	5.3200	0	0	36	
1787	19-AUG-91	450	47	4.6	15	270	58	
1887	08-MAR-88	163	5.85	0.02 U	28.9	41.4		
1887	02-NOV-89	340	23	6.2	59	360	8.6	
1887	19-MAR-91			0.9				
1887	10-MAY-91	260	19	2.1	31	130	610	
1887	20-AUG-91	260	20	1.4	34	150	520	
1887	22-MAY-90			2.9				
1887	15-AUG-91			4.0				

*Where no value for Nitrate/Nitrite, value has been obtained from summation of nitrate and nitrite values
U=Analyzed but not detected
E=Estimated value
R=Rejected
V=Valid
A=Acceptable with qualifications

Ground Water Inorganic Results
Mound Area
Results reported in mg/l

Well Number	Date Sampled	Total Dissolved Solids, TDS	Chloride Cl	Nitrate/Nitrite*		Sulfate SO ₄	Bicarbonate HCO ₃	PH	Total Suspended Solids, TSS
				Nitrate NO ₃	Nitrite NO ₂				
2087	07-MAR-88	373	11.1		0.05	261	31.0		
2087	13-DEC-89	500	8		3.3	100	228	9.9	
2087	09-FEB-90				2.7				
2087	19-MAR-91	410	9.4			99			
2087	15-AUG-91	340	7.7			160			
2387	22-OCT-87	414	55.9		2.77	27.0			
2387	03-MAR-88	431	62.8		2.82	17.1			
2387	28-APR-88	392	64.0		2.70	17.5			
2387	12-AUG-88	446	49.0 J		2.75 J	18.1 J			
2387	04-NOV-88	344	65.1		2.98	16.6			
2387	07-FEB-89	459	65.8		2.31	18.4			
2387	04-MAY-89	421	62.6		2.44	18.6			
2387	08-AUG-89	519	59.3		3.35	18.1			
2387	20-FEB-90	440	73		4.3	19			
2387	01-JUN-90	476	60.4		3.3	17.3			
2387	09-NOV-90	456	70		4.8	15			
2387	08-MAR-91	500	63		5.0	18			
2387	19-APR-91	470	66		4.6	16			
2387	19-AUG-91	490	63		4.8	17			
4386	11-MAR-87	338	51.0		5.1	30.0			
4386	03-JUN-87	386	30.8		7.5	30.0			
4386	28-JUL-87	409	33.4		7.9	28.0			
4386	20-AUG-91	400	48		4.9	22			
								26	

*Where no value for Nitrate/Nitrite, value has been obtained from summation of nitrate and nitrite values
U=Analyzed but not detected
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V=Valid
E=Estimated value
J=Present below detection limit
R=Rejected

Ground Water Inorganic Results
 East Trenches Area
 Results reported in mg/l

Well Number	Date Sampled	Total Dissolved Solids, TDS	Chloride Cl	Nitrate/Nitrite*, NO ₂	Sulfate SO ₄	Bicarbonate HCO ₃	pH	Total Suspended Solids, TSS
0286	11-MAY-87	1738	282	0.49	645	486		
0286	01-JUN-87	1693	289	0.20 U	115	474		
0286	21-JUL-87	1627	264	0.43	440	526		
0286	31-MAR-88	1425	290	0.02 U	385	357		
0286	03-JUN-88	1537	149	0.10	335	393		
0286	27-JUN-89	1257	266	0.06	278	478		
0286	11-JUL-89	1300	280	0.27	320	540	7.9	100
0286	03-AUG-89	740	89		140	430	7.7	5 U
0286	05-OCT-89			0.26				
0286	19-MAR-90	1300	350	0.06	290	360	7.8	
0286	07-JUN-90	1080	245	0.1 U	247	380		6
0286	15-NOV-90			0.6				
0286	19-JUN-91	840	152	0.3	200	410		140
0286	11-SEP-91			0.5				
0374	-AUG-86	420	40		30	18		
0374	17-MAR-87	441	56.0	9.60	30.0	273		
0374	03-JUN-87	490	52.3	3.75	43.0	267		
0374	23-JUL-87	489	122	6.2	42.0	256		
0374	03-MAR-88	478	48.7	7.35	19.8	156		
0374	05-MAY-88	476	47.4	6.30	23.5	222		
0374	19-AUG-88	409 J	43.2 J	6.47 J	20.1 J	267 J		
0374	08-FEB-90	470	43		23	310	7.6	
0374	25-MAY-90	454	49.6	10.1	26	272	12	
0374	01-AUG-90	420	49	5.5	28	270	33	
0374	16-NOV-90	500	48	5.0	21	260		29
0374	24-APR-91			5.7				
0374	22-AUG-91	460	44	4.7	35	260		
0386	-SEP-86	438	58	5.7	66			
0386	12-MAY-87	518	72.9	1.10	76.0	364		
0386	08-JUN-87	523	72.1	1.12	100	257		
0386	24-JUL-87	511	52.9	1.50	70.0	257		
0386	14-DEC-87	457	48.6	1.26	103	278		
0386	31-MAR-88	486	63.3	1.04	69.0	24.5		
0386	03-JUN-88	545	76.6	1.15	69.0	247		
0386	06-OCT-88	411 J	50.4	1.24 J	65.1 J	248 J		
0386	21-DEC-88	415	48.9	1.34	73.9	228		

*Where no value for Nitrate/Nitrite, value has been obtained from summation of nitrate and nitrite values
 U=Analyzed but not detected
 E=Estimated value
 A=Acceptable with qualifications
 V=Valid
 R=Rejected

Ground Water Inorganic Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Total Dissolved Solids, TDS	Chloride Cl	Nitrate/Nitrite* NO2	Sulfate SO4	Bicarbonate HCO3	pH	Total Suspended Solids, TSS
0386	29-MAR-89	444	48.1	1.60	67.4	252		
0386	22-JUN-89	475	48.1	1.78	84.6	277		
0386	02-AUG-89	520	51		80	420	7.5	210
0386	05-OCT-89	1200	48	2.2	88	330	7.5	5 U
0386	18-DEC-89	500	48	2.3	78	280	7.5	
0386	23-MAR-90	490	57	2.7	77	310	7.5	
0386	08-JUN-90	548	60.1	2.8 U	109	263		5 U
0386	06-SEP-90	540	60	2.7	93	270		33
0386	15-NOV-90	550	53	2.6	100	210		9
0386	14-MAR-91	550	61	2.8	82	280		51
0386	20-JUN-91	560	58	3.5	140	280		20
0774	-AUG-86	440	38	42.0	77			
0774	07-MAY-87	375	30.9	3.30	40.0			
0774	28-MAY-87	360	31.0	3.70	61.0			
0774	23-JUL-87	433	34.0	6.30	73.0			
2274	-SEP-86	400	57	23.6				
2274	13-MAR-87	425	58.0	9.10	32.0			
2274	21-MAY-87	385	40.8	3.6	37.0			
2274	28-JUL-87	414	37.4	6.30				
2274	01-DEC-89	390	53	6.8	30			7.3
2274	17-MAR-90	420	78	5.2	23			260
2274	21-JUN-90	428	54.7	5.6	22.6			310
2274	20-SEP-90	409	56.52	6.5				7.8
2274	03-NOV-90	470	55	5.2	9			266
2274	23-MAY-91	430	57	5.0	22			285.7
2274	09-SEP-91	520						210
2487	07-JUN-90	300	7.0	0.02 U				130
2587	22-OCT-87	448	36.0	7.69				4 U
2587	04-MAR-88	466	37.3	7.69				243
2587	12-MAY-88	496	34.8	6.90				243
2587	16-AUG-88	457 J	34.6 J	7.69 J				248
2587	11-NOV-88	439	39.6	8.02				267 J
2587	15-FEB-89	475	39.1	7.31				239
2587	09-MAY-89	482	41.1	7.11				281
2587	18-AUG-89	482	36.3	7.38				244
2587	02-NOV-89	420	39	6.9				320

*Where no value for Nitrate/Nitrite, value has been obtained from summation of nitrate and nitrite values
J=Present below detection limit
E=Estimated value
R=Rejected
Y=Valid

U=Analyzed but not detected
A=Acceptable with qualifications

Ground Water Inorganic Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Total Dissolved Solids, TDS	Chloride Cl	Nitrate/Nitrite*		Sulfate SO4	Bicarbonate HCO3	pH	Total Suspended Solids, TSS
				NO3	NO2				
2587	01-FEB-90	670	37	0.66		230	360	7.6	730
2587	11-JUN-90	600	29.8	9.2		36.4	232		920
2587	05-NOV-90	640	43	7.7		24	270		240
2587	09-MAR-91	550	39	9.0		25	280		820
2587	22-APR-91	500	34	7.5		32	280		380
2587	10-SEP-91	590							
2587	23-AUG-88	396 J	30.5 J	9.92 J		57.9 J	221 J		
2787	17-NOV-88	407	33.0	7.32		77.3	189		
2787	11-MAY-89	439	34.6	8.42		61.5	215		
2787	22-AUG-89	457	35.2	7.40		60.5	204		
2787	05-DEC-89	440	37	7.5		63	220	7.8	
2787	12-MAR-90	520	41	6.5		65	260	7.8	
2787	15-MAR-88	137	6.27	0.09		32.0	38.1		
2887	12-MAY-88	516	23.4	0.04		130	93.6		
2887	20-FEB-89	529	77.9	0.04		195	114		
2887	06-DEC-89	700	77	0.05 U		290	140		
2887	14-MAR-90			3.8					
2887	28-NOV-90	640	100			170	220		
2887	16-APR-91	620	98	1.1		170	250		
2887	04-SEP-91	680	100	0.4		230	260		
2887	29-OCT-87	346	10.3	0.20 U		125	60.8		
3187	10-MAR-88	293	9.45	0.07		176	35.3		
3187	12-MAY-88	312	9.01	0.17		115	67.6		
3187	25-AUG-88	308 J	9.07 J	3.55		113 J	94.1 J		
3187	22-NOV-88	293	38.9	0.02		138	93.0		
3187	22-FEB-89	307	9.79	0.05		118	74.6		
3187	11-MAY-89	312	10.1	0.04		115	83.4		
3187	14-DEC-89	340	13	0.05 U		110	120	9.3	
3187	13-MAR-90	410	12	0.05		120	130	8.8	
3187	18-SEP-90	320	14	0.04		120	100		630
3187	21-NOV-90	320	14	0.04		95	110		380
3187	11-JAN-91	330	14	0.16		130	110		290
3187	16-APR-91	310	14	0.3		86	30		30
3187	10-SEP-91	337							
3287	27-OCT-87	623	35.9	15.45		74	243		
3287	10-MAR-88	564	32.5	14.4		103	140		

*where no value for Nitrate/Nitrite, value has been obtained from summation of nitrate and nitrite values
J=Present below detection limit
E=Estimated value
R=Rejected
V=Valid
A=Acceptable with qualifications

Ground Water Inorganic Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Total Dissolved Solids, TDS	Chloride Cl	Nitrate/Nitrite*, NO ₂	Sulfate SO ₄	Bicarbonate HCO ₃	pH	Total Suspended Solids, TSS
								240
3287	12-MAY-88	630	32.4	4.70 J	59.6 J	289 J	7.7	273
3287	23-AUG-88	480 J	36.7 J	3.77	77.6	236	7.6	236
3287	17-NOV-88	453	39.6	7.71	78.8	310	7.7	310
3287	22-FEB-89	507	40.7	6.6	77	360	7.7	360
3287	12-DEC-89	550	48	6.8	79	692	7.7	692
3287	21-FEB-90	360	60	10.41	243.1	3000	7.7	3000
3287	19-SEP-90	438	41.09	7.6	65	250	7.7	250
3287	29-NOV-90	460	46	6.8	70	240	7.7	240
3287	15-JAN-91	460	48	7.1	71	600	7.7	600
3287	16-APR-91	440	46	7.6	98	1400	7.7	1400
3287	03-SEP-91	450	43	0.17	114	61.4	7.7	61.4
3487	10-MAR-88	288	5.37	0.06	97.0	125	7.7	125
3487	12-MAY-88	314	3.94	0.14	80.6	142	7.7	142
3487	20-FEB-89	381	7.25	0.25	62.0	151	7.7	151
3487	24-AUG-89	370	10.6	0.25	76	190	7.7	190
3487	13-DEC-89	510	5	0.34	190	1942	7.7	1942
3487	21-MAR-90	400	5.52	0.1 U	76	8400	7.7	8400
3487	18-SEP-90	200	6.8	0.3	240	1700	7.7	1700
3487	28-NOV-90	390	6.8	0.4	68	860	7.7	860
3487	15-JAN-91	310	5.9	0.4	180	1140	7.7	1140
3487	16-APR-91	330	8.0	0.06	62	190.5	7.7	190.5
3487	05-SEP-91	346	4.5 J	0.1 U	76	240	7.7	240
3687	06-NOV-87	375	2.18	0.3	76	200	7.7	200
3687	10-MAR-88	395	29.6	0.4	76	180	7.7	180
3687	05-MAY-88	405	29.9	0.06	71	190	7.7	190
3687	19-AUG-88	431 J	36.2 J	4.12 J	59.4	218	7.7	218
3687	10-NOV-88	390	41.7	4.42	43.5	133	7.7	133
3687	15-FEB-89	444	41.9	8.06	34.4	212	7.7	212
3687	09-MAY-89	486	38.3	7.95	33.0	240 J	7.7	240 J
3687	22-AUG-89	500	39.9	5.36	42.4	208	7.7	208
3687	10-NOV-89	490	46	4.8	27.7	242	7.7	242
3687	05-MAR-90	540	48	6.1	25.0	281	7.7	281
3687	05-JUN-90	590	5.5	5.5	25.3	1200	7.7	1200
3687	29-AUG-90	480	43	4.5	34.0	350	7.7	350
3687	12-NOV-90	490	21	5.7	27	230	7.7	230
3687	08-MAR-91	455	50.6	5.15	0	580	7.7	580
3687						350	7.7	350
3687						260	7.7	260
3687						1201	7.7	1201

*Where no value for Nitrate/Nitrite, value has been obtained from summation of nitrate and nitrite values
E=Estimated value
J=Present below detection limit
R=Rejected
V=Valid
A=Acceptable with qualifications

Ground Water Inorganic Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Total Dissolved Solids, TDS	Chloride Cl	Nitrate/Nitrite*		Sulfate SO ₄	Bicarbonate HCO ₃	PH	Total Suspended Solids, TSS
				NO ₂	NO ₃				
3687	19-APR-91	490	36	4.5	38	31	290	270	720
3687	23-AUG-91	500	40	4.5	31	74	270	200	720
3986	-SEP-86	450	36	5.0 U	5.0 U	218	218	218	218
3986	06-MAY-87	407	31.9	7.20	60.0	60.0	212	212	212
3986	03-JUN-87	389	27.6	6.40	60.0	60.0	209	209	209
3986	24-JUL-87	396	31.9	4.80	57.5	65.3	242	242	242
3986	12-DEC-87	415	34.9	5.89	42.4	42.4	134	134	134
3986	10-MAR-88	429	33.5	7.11	53.0	53.0	223	223	223
3986	05-MAY-88	436	34.3	6.60	53.1 J	53.1 J	241 J	241 J	241 J
3986	19-AUG-88	381 J	30.9 J	5.86 J	5.86 J	64.6	219	219	219
3986	10-NOV-88	412	40.1	5.77	66.3	66.3	233	233	233
3986	15-FEB-89	452	34.3	4.78	53.4	53.4	235	235	235
3986	09-MAY-89	406	34.5	4.83	54.8	54.8	245	245	245
3986	16-AUG-89	472	34.5	5.04	61	61	320	320	320
3986	10-NOV-89	470	38	5.0	57	57	330	330	330
3986	21-FEB-90	500	48	6.0	7.8	7.8	200	200	200
3986	04-JUN-90	460	0.61	0.61	282	282	440	440	440
3986	09-AUG-90	470	43	5.1	57	57	270	270	270
3986	01-NOV-90	430	45	5.1	61	61	250	250	250
3986	19-MAR-91	400	41	4.6	55	55	100	100	100
3986	14-MAY-91	410	40	5.9	64	64	180	180	180
3986	16-AUG-91	410	36	5.1	100	100	140	140	140
4086	06-MAY-87	1011	19.9	1.40	470	470	205	205	205
4086	01-JUN-87	14.9	14.9	1.40	390	390	180	180	180
4086	11-MAR-88	598	7.56	3.77	131	131	293	293	293
4086	12-MAY-88	576	7.24	3.80	135	135	369	369	369
4086	11-MAY-89	594	7.15	1.33	142	142	7.3	7.3	7.3
4086	13-DEC-89	600	7	0.16	130	130	390	390	390
4086	19-FEB-90	560	10	2.4	120	120	400	400	400
4086	20-SEP-90	540	8.9	1.3	130	130	360	360	360
4086	28-NOV-90	550	9.7	1.6	120	120	350	350	350
4086	11-JAN-91	2400	8.6	2.1	110	110	350	350	350
4086	16-APR-91	550	13	1.7	760	760	340	340	340
4086	06-SEP-91	623	5.0 U	5.0 U	64.0	64.0	64.0	64.0	64.0
4186	-SEP-86	480	34	9.60	100	100	249	249	249
4186	06-MAY-87	480	36.9	65.0	65.0	65.0			

*Where no value for Nitrate/Nitrite, value has been obtained from summation of nitrate and nitrite values
U=Analyzed but not detected
A=Acceptable with qualifications
V=Valid
J=Present below detection limit
E=Estimated value
R=Rejected

Ground Water Inorganic Results
East Trenches Area
Results reported in mg/l

Well Number	Date Sampled	Total Dissolved Solids, TDS	Chloride Cl	Nitrate/Nitrite* NO ₂	Sulfate SO ₄	Bicarbonate HCO ₃	pH	Total Suspended Solids, TSS
4186	01-JUN-87	442	33.0	9.80	62.5	231		
4186	21-JUL-87	427	34.0	10.9	66.1	233		
4186	16-DEC-87	1806	94.7	0.02 U	58.0	99.6		
4186	11-MAR-88	460	32.1	13.6	78.5	126		
4186	05-MAY-88	510	32.5	13.0	55.0	220		
4186	22-NOV-88	474	10.9	6.69	70.1	261		
4186	20-FEB-89	479	40.0	7.46	72.4	259		
4186	11-MAY-89	482	40.0	7.89	59.6	278		
4186	07-DEC-89	740	52	2.0	52	588	7.5	
4186	19-FEB-90	640	50	6.3	62	430	7.9	
4186	17-SEP-90	471	44.83	8.08		255.6		
4186	20-NOV-90	240	44	4.9	70	240	149	
4186	10-JAN-91	460	46	7.8	57	240	290	
4186	15-APR-91			7.3				190
4286	-SEP-86	470	50	30.2	22			
4286	12-MAR-87	526	57.0	7.20	70.0	171		
4286	26-MAY-87	468	34.7	5.9	24.0	297		
4286	24-JUL-87	475	50.5	4.10	20.0	279		
4286	14-OCT-87	483	42.1	5.58	18.0	322		
4286	04-MAR-88	465	37.0	4.76	26.6	183		
4286	05-MAY-88	401	35.6	4.30	16.5	209		
4286	25-AUG-88	268 J	33.3 J	0.02	16.8 J	170 J		
4286	17-NOV-88	384	40.7	4.26	16.9	292		
4286	20-FEB-89	525	53.9	4.69	18.3	297		
4286	09-MAY-89	476	49.5	4.39	18.4	321		
4286	18-AUG-89	475	38.4	4.18	15.7	291		
4286	06-DEC-89	570	55	5.2	21	450	7.4	
4286	30-JAN-90	1000	66	7.0	24	440	7.2	
4286	11-JUN-90	444	41.7	3.2	18	380		
4286	24-AUG-90	480	43	4.2	18	360		
4286	16-NOV-90	520	55	4.1	17	380		
4286	08-MAR-91	520	63.5	5.95	0	0	144	
4286	17-MAY-91	610	70	6.0	18	370		
6786	-NOV-86	512	35	65			830	
6786	11-MAY-87	560	43.8	4.90	70.0	358		
6786	01-JUN-87	566	47.2	3.80	110	333		

*Where no value for Nitrate/Nitrite, value has been obtained from summation of nitrate and nitrite values
U=Analyzed but not detected E=Estimated value
A=Acceptable with qualifications R=Rejected
V=Valid

Ground Water Inorganic Results
 East Trenches Area
 Results reported in mg/l

Well Number	Date Sampled	Total Dissolved Solids, TDS	Chloride Cl	Nitrate/Nitrite*	Sulfate SO ₄	Bicarbonate HCO ₃	pH	Total Suspended Solids, TSS
6786	21-JUL-87	564	46.5	3.4	95.5	344	7.5	
6786	08-FEB-90	550	48	4.4	85	340		
6786	12-JUN-90	539	66.8	2.8 U	117	238		5 U
6786	22-AUG-90	550	70	1.1	120	270		14.0
6786	05-OCT-90	540	72		130	360		14.00
B218789	14-MAR-90	420	32	4.1	27	330		
B218789	13-SEP-90	350	36	4.3	17	250		390
B218789	22-OCT-90	360	30	3.8	13	250		4 U
B218789	08-MAR-91	750	35	5.2	20	280		680
B218789	21-MAY-91	380	33	4.3	11	260		62
B218789	20-AUG-91	390	38	4.2	12	280		26

*Where no value for Nitrate/Nitrite, value has been obtained from summation of nitrate and nitrite values
 J=Present below detection limit
 E=Estimated value
 R=Rejected
 V=Valid
 A=Acceptable with qualifications

**GROUND-WATER SAMPLING RESULTS
DISSOLVED RADIONUCLIDES**

Ground Water Dissolved Radiochemistry Results
903 Pad Area
Results reported in pCi/l

Well Number	Date Sampled	Gross Alpha	Gross Beta	Uranium Total*	Strontium 90	Plutonium 239/240	Americium 241	Tritium
		=====	=====	=====	=====	=====	=====	=====
0171	02-JUL-87	3 +/- 26	18 +/- 39	6.8	2.6	0.00 +/- .07	- .04 +/- 1.50	515
0171	15-OCT-87	6 +/- 4	2 +/- 9	2.04	1.0	0.00 +/- .43	0.00 +/- .43	460
0171	26-FEB-88	5 +/- 4	12 +/- 11	2.36	0.00 +/- 0.18	0.00 +/- 0.18	0.00 +/- .18	200
0171	19-APR-88	5 +/- 5	14 +/- 11	2.18	0.01 +/- 0.03	0.02 +/- 0.03	0.02 +/- 0.19	210
0171	26-JUL-88	12 +/- 2	6 +/- 2	4.67	0.00 +/- 0.08	0.10 +/- 0.08	0.10 +/- 0.17	210
0171	31-OCT-88	5 +/- 2	13 +/- 2	4.6	.02 +/- .11	.05 +/- .08	.05 +/- .08	
0171	02-FEB-89	10 +/- 2	7 +/- 2		0.00 +/- 0.03	- .01 +/- 0.08	- .01 +/- 0.08	240
0171	02-MAY-89	7.7 +/- 1.0	9.4 +/- 2.7					270
0171	08-AUG-89	3.1 +/- .7	.3 +/- 2.3					
0171	29-NOV-89	11 +/- 5	16 +/- 5	1.17	0 +/- .2	.006 +/- .004	.006 +/- .008	
0171	20-NOV-90	3.239 +/- 1.22	4.076 +/- 1.22	4.9644	- .152 +/- .28			34.27 +/- 204
0271	02-JUL-87	16 +/- 22	-19 +/- 36	11.8	1.0			515
0271	26-FEB-88	9 +/- 17	-12 +/- 59	7.53	0.00 +/- 0.17	0.00 +/- 0.33	0.00 +/- 0.33	200
0271	21-APR-88	20 +/- 8	25 +/- 17	19.58	0.00 +/- 0.03	0.00 +/- 0.18	0.00 +/- 0.18	210
0271	26-JUL-88	37 +/- 6	22 +/- 6	25.59	0.00 +/- 0.08	0.06 +/- 0.17	0.06 +/- 0.17	220
0271	08-AUG-89	23.5 +/- 3.9	9.2 +/- 3.2					
0271	26-FEB-90				-0.3 +/- -0.3			
0271	21-NOV-90	37.49 +/- 16.3	13.66 +/- 4.25	27.6966	.3718 +/- .331			135.2 +/- 209
1187	18-SEP-87	28 +/- 24	8 +/- 40					440
1187	18-FEB-88	15 +/- 5	-1 +/- 11	2.05				220
1187	01-DEC-89	9 +/- 5	13 +/- 3	0.5	-.1 +/- .2	.003 +/- .004	.002 +/- .005	
1187	23-JAN-90	16.9 +/- 2.6	11.1 +/- 2.3	6.64	0.35 +/- 0.33	0.005 +/- 0.004		250 +/- 160
1187	28-NOV-90	9.203 +/- 4.05	6.063 +/- 1.7	8.1765				
1187	15-JAN-91	3.52 +/- 1.88	2.312 +/- 1.86	7.7069				125.1 +/- 215
1287	02-SEP-87	121 +/- 48	47 +/- 45					
1287	26-FEB-88	47 +/- 12	46 +/- 16	35.70				220
1287	21-APR-88	52 +/- 14	57 +/- 20	32.97				210
1287	26-JUL-88	37 +/- 4	22 +/- 3	27.80				210
1287	14-NOV-89	30.0 +/- 3.2	25.3 +/- 3.0	20.21	0.02 +/- 0.48	0.004 +/- 0.004	0 +/- 250	
1287	24-JAN-90	84.6 +/- 5.9	42.2 +/- 3.6	20.68				150 +/- 150
1287	20-SEP-90	11.8 +/- 4.04	11.96 +/- 2.37	21.7164				352.1 +/- 225
1287	28-NOV-90	24.38 +/- 8.33	8.035 +/- 1.6	22.989				279.9 +/- 224
1487	01-SEP-87	17 +/- 21	23 +/- 41					500
1487	13-OCT-87	6 +/- 17	16 +/- 40	0.00				460
1487	01-MAR-88	10 +/- 7	19 +/- 13	0.03				210
1487	22-APR-88	8 +/- 4	18 +/- 11	0.34				200

*=sum of all Uranium isotopes (U233-234, U235, U238)

The table format is: result +/- counting error

Ground Water Dissolved Radiochemistry Results
903 Pad Area
Results reported in pCi/l

Well Number	Date Sampled	Gross Alpha	Gross Beta	Uranium Total*	Strontium 90	Plutonium 239/240	Americium 241	Tritium
		=====	=====	=====	=====	=====	=====	=====
1487	09-AUG-88	1 +/- 1	7 +/- 2	1.41	0.00 +/- 0.04	0.03 +/- .009	210	
1487	26-OCT-88			1.52	.01 +/- .06	.01 +/- .13	220	
1487	26-JAN-89	1 +/- 1	5 +/- 2	1.85	-0.02 +/- .02	-0.01 +/- .03	230	
1487	25-APR-89	1.0 +/- .6	3.6 +/- 2.5					
1487	03-AUG-89	3.1 +/- .9	3.7 +/- 2.3					
1487	28-NOV-89	7 +/- 4	9 +/- 2	0.23	0 +/- .16	0 +/- .003	-0.01 +/- .03	
1487	25-JAN-90	9.5 +/- 1.8	9.1 +/- 2.2	3.64	0.36 +/- 0.49	0.011 +/- .007	0.011 +/- .010	200 +/- 160
1487	18-SEP-90	5.456 +/- 3.9	4.651 +/- 1.4	2.001	.3521 +/- .39			171.2 +/- 223
1487	20-NOV-90	2.93 +/- 1.13	2.467 +/- 1.06	2.1786	.4541 +/- .386			22.23 +/- 203
1487	11-JAN-91	4.618 +/- 2.71	2.567 +/- 1.35	3.914	.204 +/- .331			-50.9 +/- 211
1587	01-MAR-88	14 +/- 7	-5 +/- 17	1.44	0.00 +/- 0.19	0.00 +/- 0.10	0.00 +/- 0.10	210
1587	21-APR-88	-2 +/- 5	-8 +/- 14	1.25	0.00 +/- 0.05	0.00 +/- 0.16	0.00 +/- 0.16	210
1587	03-AUG-89	.7 +/- .6	3.2 +/- 2.3					
1587	04-DEC-89	3 +/- 3	5 +/- 3	1.41	.1 +/- .2	.007 +/- .004	.001 +/- .008	
1587	24-JAN-90	1.0 +/- 0.5	1.7 +/- 1.9	1.44				
1587	27-NOV-90	.4501 +/- .784	2.473 +/- 1.42	1.5254	.04861 +/- .232			349.4 +/- 212
1587	09-JAN-91	2.382 +/- 2.63	6.918 +/- 3.55	2.0259				
1687	14-SEP-87	14 +/- 24	23 +/- 40					500
1687	17-OCT-87	48 +/- 27	17 +/- 39	3.91	.05 +/- .09	.01 +/- .07	.01 +/- .07	460
1687	01-MAR-88	10 +/- 4	12 +/- 18	4.14	0.00 +/- 0.14	0.03 +/- 0.12	0.03 +/- 0.12	220
1687	22-APR-88	12 +/- 4	16 +/- 10	3.74	0.02 +/- 0.04	0.02 +/- 0.16	0.02 +/- 0.16	210
1687	10-AUG-88	2 +/- 1	0 +/- 2		0.00 +/- 0.04	0.02 +/- 0.09	0.02 +/- 0.09	210
1687	31-OCT-88	3 +/- 1	8 +/- 2	3.55	0.0 +/- .03	-.06 +/- .08	-.06 +/- .08	220
1687	08-FEB-89	2 +/- 1	6 +/- 2	2.73	-0.08 +/- .09	0.03 +/- .08	0.03 +/- .08	230
1687	02-MAY-89	4.4 +/- 1.0	8.3 +/- 2.6					270
1687	03-AUG-89	4.4 +/- 1.2	4.6 +/- 2.5					
1687	06-NOV-89	6 +/- 2	3.8 +/- .9	5.1	0 +/- .2	-.001 +/- .005	-.003 +/- .004	
1687	17-MAR-90	6.555 +/- 2.6656	4.039 +/- 1.192856	3.4905	-.02272 +/- .1475684	.003607 +/- .0042454	.001546 +/- .0090924	-185 +/- 200
1687	28-NOV-90	3.888 +/- 1.83	3.258 +/- 1.11	2.9886				
1687	09-JAN-91	9.898 +/- 4.5	4.744 +/- 1.34	2.5948				-14.8 +/- 198

*=sum of all Uranium isotopes (U233-234, U235, U238)

The table format is: result +/- counting error

Ground Water Dissolved Radiochemistry Results
Mound Area
Results reported in pCi/l

Well Number	Date Sampled	Gross Alpha	Gross Beta	Uranium Total*	Strontium 90	Plutonium 239/240	Americium 241	Tritium
		=====	=====	=====	=====	=====	=====	=====
0174	23-JUL-87	9 +/- 23	8 +/- 39	2	5.0	0.0 +/- 0.7	.16 +/- .58	475
0174	22-OCT-87	8 +/- 4	-3 +/- 9	1.97	1.0	.01 +/- .09	0.00 +/- .58	460
0174	04-MAR-88	5 +/- 4	0 +/- 10	2.52		0.09 +/- 0.11	0.05 +/- 0.42	210
0174	29-APR-88	6 +/- 3	2 +/- 9	2.25		0.00 +/- 0.4	0.00 +/- 0.10	220 +/- 90
0174	12-AUG-88	4 +/- 1	3 +/- 2	2.79		0.00 +/- 0.04	0.01 +/- 0.09	220 +/- 90
0174	04-NOV-88	5 +/- 2	4 +/- 2	2.77		-.02 +/- .03	-.05 +/- .08	230 +/- 100
0174	04-MAY-89	4.1 +/- 1.2	7.5 +/- 2.7			.027 +/- .016		
0174	10-AUG-89	7.3 +/- 1.6	5.5 +/- 2.4	2.13		0.001 +/- 0.006	-0.002 +/- 0.004	
0174	17-NOV-89	6 +/- 5	11 +/- 3	4.06		0.006 +/- 0.005	100 +/- 100	
0174	09-FEB-90	2.5 +/- 0.8	5.1 +/- 2.3	1.52	0.53 +/- 0.36			329.4 +/- 203
0174	15-NOV-90	3.88 +/- 2.29	2.758 +/- 1.07	1.8338		.4468 +/- .306		
0174	06-NOV-87	9 +/- 20	18 +/- 41			0.00 +/- 0.12	0.0 +/- 1.6	
1787	04-MAR-88	10 +/- 5	11 +/- 9	5.45			200	
1787	29-APR-88	18 +/- 4	12 +/- 11	1.33			200	
1787	16-AUG-88	3 +/- 1	6 +/- 2	2.07		0.00 +/- 0.04	0.01 +/- 0.07	210
1787	04-NOV-88	4 +/- 2	7 +/- 2	3.04		-.02 +/- .03	-.08 +/- .08	220
1787	08-FEB-89	4 +/- 2	6 +/- 2	1.73		-.1 +/- 0.03	-0.04 +/- 0.08	260
1787	04-MAY-89	2.3 +/- 1.1	9.2 +/- 2.9				270	
1787	10-AUG-89	2.1 +/- .8	2.8 +/- 2.5	2.28		.007 +/- .004	.016 +/- .018	
1787	29-JAN-90	4.1 +/- 2.0	3.4 +/- 2.1	0.64		0.16 +/- 0.37	0.005 +/- 0.006	
1787	06-NOV-90	1.41 +/- 1.67	4.374 +/- 1.95	1.4407		.472 +/- .348		35.25 +/- 198
1787	09-MAR-91	2.486 +/- 1.9	3.975 +/- 1.48	1.491		.4973 +/- .355		110.6 +/- 200
1887	08-MAR-88	7 +/- 9	24 +/- 15	0.32		0.02 +/- 0.09	0.00 +/- 0.24	220
1887	02-NOV-89	10.2 +/- 2.0	6.8 +/- 3.5	6.56		0.009 +/- 0.004		
1887	19-MAR-91						1.865 +/- 194	
2087	04-MAR-88	8 +/- 12	37 +/- 22		1.03		0.00 +/- 0.18	
2087	13-DEC-89						0.00 +/- 0.24	
2087	09-FEB-90	0.1 +/- 0.9	3.6 +/- 1.8	0.3045				
2087	27-JUL-90	.1189 +/- .387	3.58 +/- 1.18					
2087	19-MAR-91						8.393 +/- 195	
2387	22-OCT-87	39 +/- 27	30 +/- 45				520	
2387	03-MAR-88	6 +/- 4	11 +/- 12	3.74		0.00 +/- 0.19	0.00 +/- 0.17	210
2387	28-APR-88	14 +/- 5	5 +/- 11	3.73		0.00 +/- 0.03	0.00 +/- 0.10	200
2387	12-AUG-88	5 +/- 1	5 +/- 2	3.18		0.07 +/- 0.05	0.00 +/- 0.08	210
2387	04-NOV-88	4 +/- 2	4 +/- 2	3.3		-.01 +/- 0.3	-.04 +/- .08	230
2387	08-FEB-89	6 +/- 2	4 +/- 2	3.39		0.00 +/- 0.03	-0.07 +/- 0.08	

*=sum of all Uranium isotopes (U233-234, U235, U238)

The table format is: result +/- counting error

Ground Water Dissolved Radiochemistry Results
Mound Area

Results reported in pCi/l

Well Number	Date Sampled	Gross	Uranium Total*	Strontium 90	Plutonium 239/240	Americium 241	Tritium
		Alpha					
2387	04-MAY-89	4.5 +/- .7	5.9 +/- 2.7	2.99	.025 +/- .011	.003 +/- .007	260
2387	08-AUG-89	2.5 +/- .3	-1.3 +/- 2.2	0.25	0 +/- .002	0 +/- .004	
2387	04-DEC-89	7 +/- 4	10 +/- 4	3.6	0.1 +/- 0.3	-0.001 +/- 0.001	
2387	20-FEB-90	3 +/- 3	4 +/- 1	3.084 +/- 1.57	.1273 +/- .294	297.8 +/- 211	
2387	09-NOV-90	7.902 +/- 3.17	1.516 +/- 1.11	2.6641	.2057 +/- .3	92.85 +/- 200	
2387	08-MAR-91	5.182 +/- 3.25	1.2	1.2	-.20 +/- .85	.11 +/- .32	
4386	29-JUL-87	5 +/- 25	-14 +/- 42				493

The table format is: result +/- counting error

*=sum of all Uranium isotopes (U233-234, U235, U238)

Ground Water Dissolved Radiochemistry Results
East Trenches Area
Results reported in pCi/l

Well Number	Date Sampled	Gross Alpha	Gross Beta	Uranium Total*	Strontrium 90	Plutonium 239/240	Americium 241	Tritium
0286	21-JUL-87	12 +/- 26	79 +/- 55	13.90	2.4	-0.1 +/- 1.0		475
0286	31-MAR-88	30 +/- 7	11 +/- 11	14.41	0.00 +/- 0.15	0.00 +/- 0.34	200	
0286	03-JUN-88	21 +/- 5	15 +/- 9	11.43	0.00 +/- 0.04	0.02 +/- 0.10	210	
0286	27-JUN-89	33.3 +/- 4.0	24.3 +/- 3.8					
0286	30-JUN-89	21 +/- 9	20 +/- 5	20.70	-0.3 +/- 0.6	0.00 +/- 0.02	0.00 +/- 0.03	
0286	03-AUG-89	38 +/- 17	12 +/- 6					
0286	19-MAR-90	16.8 +/- 7.43232	10.01 +/- 3.60248	9.4215	.01889 +/- .445704	0.0 +/- .0062681	.002705 +/- .0159074	334.2 +/- 217
0286	15-NOV-90							
0374	23-JUL-87	6 +/- 22	25 +/- 41	2.2	1.0	.10 +/- .69	-.04 +/- .28	475
0374	23-OCT-87	250 +/- 52	327 +/- 20	2.32	1.0	0.00 +/- .10	0.00 +/- .08	520
0374	03-MAR-88	10 +/- 7	9 +/- 15	2.47	0.00 +/- 0.16	0.00 +/- 0.25	210	
0374	05-MAY-88	7 +/- 3	6 +/- 10	2.16	0.01 +/- 0.04	0.00 +/- 0.10	220	
0374	19-AUG-88	5 +/- 1	4 +/- 1	2.39	0.03 +/- 0.04	0.03 +/- 0.08	230 +/- 90	
0374	08-FEB-90	1.2 +/- 1.3	3.1 +/- 1.9	2.73				
0374	01-AUG-90	18.46 +/- 7.08	5.176 +/- 2	2.4162	.1728 +/- .165		353.3 +/- 210	
0374	16-NOV-90	3.44 +/- 1.37	2.408 +/- 1.09	2.6161	.4589 +/- .357		187.8 +/- 227	
0374	24-APR-91						332.5 +/- 198	
0386	24-JUL-87	27 +/- 25	17 +/- 43	7.1	2.1	-.32 +/- .68	.00 +/- .40	502
0386	15-DEC-87	42 +/- 13	40 +/- 12	4.67	1.0	0.00 +/- .14	220	
0386	31-MAR-88	17 +/- 5	10 +/- 11	7.59	0.00 +/- 0.15	0.00 +/- 0.32	200	
0386	03-JUN-88	24 +/- 6	18 +/- 8	7.82	0.00 +/- 0.04	0.00 +/- 0.10	240 +/- 100	
0386	06-OCT-88	14 +/- 2	9 +/- 2	6.21	0.00 +/- 0.04	0.02 +/- 0.10	260 +/- 90	
0386	21-DEC-88	6 +/- 2	10 +/- 2	7.17	-0.3 +/- .03	0.0 +/- .08		
0386	29-MAR-89	11 +/- 2	9 +/- 2					
0386	29-JUN-89	18 +/- 6	13 +/- 3	8.4	1.3 +/- 0.5	0.01 +/- 0.01	0.02 +/- 0.02	330 +/- 230
0386	12-JUL-89	22 +/- 12	13 +/- 4	8.6	0.1 +/- 0.5	0.00 +/- 0.01	0.00 +/- 0.01	170 +/- 150
0386	02-AUG-89	11 +/- 10	14 +/- 4					
0386	05-OCT-89	7.0 +/- 1.0	10.6 +/- 2.3	0.46	0.68 +/- 0.47	0.005 +/- 0.006	0.026 +/- 0.018	190 +/- 270
0386	18-DEC-89	6 +/- .7	4.2 +/- .8	0.1	-.1 +/- .3	.002 +/- .003	.003 +/- .008	
0386	15-NOV-90	16.15 +/- 6.48	12.9 +/- 2.96	8.9351	.2328 +/- .241		292.8 +/- 201	
0386	14-MAR-91	4.849 +/- 2.02	5.831 +/- 1.72	9.2246	.3271 +/- .339		-77.9 +/- 207	
0774	23-JUL-87	4 +/- 20	34 +/- 46	1.6	1.0	0.0 +/- 0.6	.13 +/- .35	475
0774	05-NOV-87	1 +/- 6	4 +/- 9	2.08	1.0	0.00 +/- .20	.01 +/- .07	460
2274	28-JUL-87	-6 +/- 19	22 +/- 45	5.4	1.0	-.23 +/- .93	1.4 +/- 5.2	478
2274	21-OCT-87	10 +/- 4	13 +/- 9	3.7	1.0	0.00 +/- .12	0.00 +/- .44	520
2274	01-DEC-89	5 +/- 3	5 +/- 3	0.44	0 +/- .12	0 +/- .002	-.002 +/- .006	

*=sum of all Uranium isotopes (U233-234,U235,U238)

The table format is: result +/- counting error

Ground Water Dissolved Radiochemistry Results
East Trenches Area
Results reported in pCi/l

Well Number	Date Sampled	Gross Alpha	Gross Beta	Uranium Total*	Strontrium 90	Plutonium 239/240	Americium 241	Tritium
2274	03-NOV-90	4.477 +/- 2.23	3.295 +/- 1.42	5.5102	.003924 +/- .197			186.8 +/- 206
2587	22-OCT-87	4 +/- 16	-12 +/- 37					520
2587	04-MAR-88	7 +/- 5	-2 +/- 11	1.76	0.00 +/- 0.19	0.00 +/- 0.46	210	
2587	12-MAY-88	19 +/- 7	8 +/- 14	1.44	0.01 +/- 0.04	0.00 +/- 0.09	200	
2587	16-AUG-88	3 +/- 1	3 +/- 1	1.31	0.01 +/- 0.04	0.07 +/- 0.08	210	
2587	11-NOV-88	2 +/- 1	2 +/- 2					220
2587	16-FEB-89	2 +/- 3	1 +/- 2	1.89	0.01 +/- 0.03	-0.08 +/- 0.08	260	
2587	09-MAY-89	1.8 +/- 1.1	7.4 +/- 2.5					260
2587	18-AUG-89	1.7 +/- .8	1.5 +/- 2.3	1.67	.006 +/- .005	.014 +/- .020		
2587	01-FEB-90	5.1 +/- 1.1	3.0 +/- 1.8	3.14	0.010 +/- 0.005	0.009 +/- 0.006	220 +/- 140	
2587	05-NOV-90	8.702 +/- 2.96	4.613 +/- 1.77	2.1187	.5317 +/- .375	.177.2 +/- 206		
2587	09-MAR-91	2.023 +/- 1.71	1.809 +/- 1.18	1.661	.3368 +/- .322	.33.7 +/- 193		
2787	23-AUG-88	6 +/- 2	8 +/- 2	4.92	0.00 +/- 0.04	0.00 +/- 0.08	200	
2787	17-NOV-88	7 +/- 2	8 +/- 2					240
2787	11-MAY-89	5.3 +/- 1.4	14.3 +/- 3.0					270
2787	22-AUG-89	5.4 +/- .7	8.2 +/- 2.8	4.9	.007 +/- .004	.010 +/- .004	.001 +/- .004	
2787	05-DEC-89	9 +/- 3	4.6 +/- 1.5	0.45	.04 +/- .18	.005 +/- .004	100 +/- 150	
2787	12-MAR-90	11.4 +/- 2.7	7.3 +/- 2.3		0.33 +/- 0.36			
2887	15-MAR-88	6 +/- 5	14 +/- 12	0.99	0.00 +/- 0.23	0.00 +/- 0.29	210	
2887	12-MAY-88	4 +/- 4	-10 +/- 15	5.27	0.00 +/- 0.03	0.01 +/- 0.07	220	
2887	21-FEB-89	7 +/- 2	6 +/- 2	6.97	-0.02 +/- 0.03	0.05 +/- 0.05	260	
2887	06-DEC-89	14.8 +/- 4.2	9.5 +/- 5.4	7.61				
2887	28-NOV-90	11.96 +/- 5.79	3.573 +/- 1.22	9.642				
2887	15-JAN-91	6.919 +/- 2.87	2.505 +/- 1.1	10.0789				
3187	29-OCT-87	36 +/- 34	26 +/- 43					460
3187	10-MAR-88	14 +/- 8	15 +/- 16					220
3187	12-MAY-88	12 +/- 6	2 +/- 14	0.35	0.00 +/- 0.04	0.03 +/- 0.09	200	
3187	25-AUG-88	1 +/- 1	4 +/- 1	1.2	0.00 +/- 0.04	0.08 +/- 0.08	200	
3187	22-NOV-88	1 +/- 1	4 +/- 2					240
3187	23-FEB-89	2 +/- 1	4 +/- 2	1.53	0.00 +/- 0.03	-0.04 +/- 0.08	260	
3187	11-MAY-89	1.9 +/- 1.0	5.4 +/- 2.6					270
3187	14-DEC-89	3.6 +/- 1.8	1.7 +/- 0.8	1.87	0 +/- .5	.005 +/- .004	.002 +/- .007	
3187	18-SEP-90	44.73 +/- 11.2	9.567 +/- 1.85	3.8556	.317 +/- .365			
3187	21-NOV-90	1.233 +/- .837	2.639 +/- 1.07	1.2344	.5851 +/- .431	.35.2 +/- 213		
3187	11-JAN-91	.8572 +/- .997	2.07 +/- .999	1.1908	-.0149 +/- .296	-.109 +/- 197		
3287	27-OCT-87	78 +/- 50	61 +/- 48					460

*=sum of all Uranium Isotopes (U233-234, U235, U238)

The table format is: result +/- counting error

Ground Water Dissolved Radiochemistry Results
East Trenches Area
Results reported in pCi/l

Well Number	Date Sampled	Gross Alpha	Gross Beta	Uranium Total*	Strontrium 90	Plutonium 239/240	Americium 241	Tritium
3287	10-MAR-88	15 +/- 9	7 +/- 19	2.83	0.00 +/- .13	0.00 +/- .09	0.10 +/- .09	200
3287	12-MAY-88	19 +/- 6	4 +/- 14	4.88	0.00 +/- .04	0.00 +/- .04	0.00 +/- .08	200
3287	23-AUG-88	4 +/- 1	5 +/- 1	3.26	0.00 +/- .04	0.00 +/- .04	0.00 +/- .08	220
3287	17-NOV-88	6 +/- 2	6 +/- 2	3.45	0.01 +/- .03	0.002 +/- .004	-0.08 +/- .08	250
3287	23-FEB-89	4 +/- 1	4 +/- 2	3.26	.3 +/- .2	.002 +/- .004	.003 +/- .005	
3287	12-DEC-89	11 +/- 7	5 +/- 6	2.9	.2 +/- .3	-.002 +/- .004	.013 +/- .010	
3287	21-FEB-90	5 +/- 4	3.5 +/- 1.8	2.9	.2597 +/- .385			308.9 +/- 210
3287	29-NOV-90	2.859 +/- 1.9	2.256 +/- 1.05	3.38				157.4 +/- 211
3287	15-JAN-91	6.722 +/- 2.74	6.898 +/- 2.74	3.564				
3487	10-MAR-88	4 +/- 10	16 +/- 16	3.11	0.00 +/- 0.15	0.00 +/- 0.24	0.00 +/- 0.24	200
3487	12-MAY-88	6 +/- 4	4 +/- 8	3.54	0.00 +/- 0.03	0.00 +/- 0.09	0.00 +/- 0.09	210
3487	21-FEB-89	4 +/- 2	3 +/- 3	3.24	-0.02 +/- 0.03	0.01 +/- 0.05	0.01 +/- 0.05	260
3487	24-AUG-89	4.2 +/- .9	5.0 +/- 2.4	4.73				
3487	13-DEC-89	3.0 +/- 1.9	17.8 +/- 6.0	3.4	0.69 +/- 0.78	0.030 +/- 0.009	-50 +/- 100	
3487	21-MAR-90	4.066 +/- 1.93844	4.996 +/- 1.257732	2.9854				
3487	28-NOV-90	2.148 +/- 1.07	3.451 +/- 1.14	9.5145				
3487	15-JAN-91	4.865 +/- 2.41	2.361 +/- 1.07	2.4574				
3687	06-NOV-87	2 +/- 20	6 +/- 39					
3687	10-MAR-88	17 +/- 7	23 +/- 14	1.8	0.00 +/- 0.12	0.00 +/- 0.15	210 +/- 92	
3687	05-MAY-88	10 +/- 4	21 +/- 11	1.1	0.00 +/- 0.05	0.00 +/- 0.05	220	
3687	19-AUG-88	2 +/- 1	2 +/- 1	1.42	0.03 +/- 0.04	0.04 +/- 0.08	310 +/- 90	
3687	10-NOV-88	3 +/- 1	3 +/- 2					240
3687	16-FEB-89	4 +/- 3	2 +/- 2	2.33	0.02 +/- 0.03	0.00 +/- 0.05	260	
3687	09-MAY-89	3.9 +/- 1.5	6.1 +/- 2.6					270
3687	22-AUG-89	1.5 +/- .5	3.1 +/- 2.5	2.34	.013 +/- .004			
3687	05-MAR-90	7 +/- 3	1 +/- 1	3.2	-0.3 +/- 0.2	0.001 +/- 0.008	0.015 +/- 0.014	
3687	29-AUG-90	10.9 +/- 3.91	2.367 +/- 1.07	2.0692	.6382 +/- .427			354.7 +/- 229
3687	12-NOV-90	1.528 +/- 1.84	2.97 +/- 1.63	1.7865	.3925 +/- .355			242.8 +/- 208
3687	08-MAR-91	2.275 +/- 1.77	.509 +/- .833	2.1441	.33332 +/- .322			104.5 +/- 201
3986	24-JUL-87	4 +/- 21	21 +/- 43	3	1.2	-.05 +/- .60	.38 +/- .53	502
3986	12-DEC-87	25 +/- 8	32 +/- 13	2.27	1.4	0.00 +/- .18	0.00 +/- .10	210
3986	10-MAR-88	26 +/- 11	24 +/- 18	2.47	0.00 +/- 0.1	0.00 +/- 0.07	200	
3986	05-MAY-88	7 +/- 4	9 +/- 10	2.51	0.00 +/- 0.03	0.03 +/- 0.10	220	
3986	19-AUG-88	4 +/- 1	4 +/- 1	2.63	0.02 +/- 0.04	0.07 +/- 0.08	200	
3986	10-NOV-88	3 +/- 2	6 +/- 2					240
3986	16-FEB-89	3 +/- 3	2 +/- 2	2.97	0.01 +/- 0.03	0.00 +/- 0.04	0.00 +/- 0.04	260

*sum of all Uranium isotopes (U233-234, U235, U238)

The table format is: result +/- counting error

Ground Water Dissolved Radiochemistry Results
East Trenches Area
Results reported in pCi/l

Well Number	Date Sampled	Gross Alpha	Gross Beta	Uranium Total*	Sr 90	Plutonium 239/240	Americium 241	Tritium
3986	09-MAY-89	2.1 +/- .8	4.3 +/- 2.6	10.29	.003 +/- .005	.015 +/- .017	260	
3986	16-AUG-89	1.8 +/- .7	2.2 +/- 2.3	4.02	.001 +/- .004	-.003 +/- .008		
3986	21-FEB-90	3 +/- 3	2.2 +/- 1.2	4.0747			232.9 +/- 203	
3986	01-NOV-90	5.409 +/- 2.2	2.733 +/- 1.44	6.3917	1.0	0.00 +/- .14	21.45 +/- 195	
3986	19-MAR-91	5.151 +/- 3.13	2.267 +/- 1			0.00 +/- 1.6	460	
4086	27-OCT-87	106 +/- 18	207 +/- 15	6.89	0.00 +/- .11	0.00 +/- 0.53		
4086	11-MAR-88	4.6 +/- 16	23 +/- 16	6.55	0.00 +/- .03	0.00 +/- .09	220	
4086	12-MAY-88	17 +/- 6	2 +/- 14	4.92			210	
4086	11-MAY-89	6.3 +/- 1.4	5.4 +/- 2.7				270	
4086	13-DEC-89	26.7 +/- 4.3	35.2 +/- 3.8	3.45	0.77 +/- 0.52	0.011 +/- 0.006		
4086	19-FEB-90	2 +/- 2	4.8 +/- 1.3	3.61	.3 +/- .4	0.010 +/- 0.009	-10 +/- 90	
4086	20-SEP-90	3.893 +/- 3.05	7.363 +/- 2.19	2.6745				
4086	28-NOV-90	3.818 +/- 3.15	3.744 +/- 1.22	2.955			-72.2 +/- 206	
4086	11-JAN-91	2.358 +/- 1.41	5.058 +/- 1.99	3.0584			18.26 +/- 204	
4186	21-JUL-87	0 +/- 24	85 +/- 48	2	1.2	-.04 +/- .66	475	
4186	23-OCT-87	11 +/- 7	21 +/- 10	3.13	1.0	0.00 +/- .11	520	
4186	11-MAR-88	19 +/- 8	31 +/- 15	3.48		0.00 +/- 0.11		
4186	05-MAY-88	9 +/- 4	16 +/- 10	3.76		0.00 +/- 0.03	220	
4186	22-NOV-88	4 +/- 2	6 +/- 2				200	
4186	21-FEB-89	5 +/- 2	5 +/- 2	3.96		0.00 +/- 0.03	240	
4186	11-MAY-89	3.2 +/- 1.6	7.8 +/- 2.6			0.03 +/- 0.10		
4186	07-DEC-89	4.2 +/- 1.6	2.9 +/- 1.9	0.67	0.96 +/- 0.72			
4186	19-FEB-90	2 +/- 3	.4 +/- 1.3	1.7	0 +/- .2	0 +/- .007		
4186	20-NOV-90	2.009 +/- 1.04	3.138 +/- 1.29	2.8832	.09401 +/- .293		-20.4 +/- 201	
4186	10-JAN-91	2.157 +/- 1.73	2.252 +/- 1.23	2.8058			37.44 +/- 205	
4286	24-JUL-87	215 +/- 157	144 +/- 62	2.8	1.0	.36 +/- .74	502	
4286	15-OCT-87	12 +/- 5	7 +/- 9	1.98	1.3	0.00 +/- .08	560 +/- 290	
4286	04-MAR-88	5 +/- 5	-5 +/- 9	2.05		0.18 +/- 0.13	200	
4286	05-MAY-88	7 +/- 3	10 +/- 11	1.95		0.00 +/- 0.03	220	
4286	25-AUG-88	4 +/- 1	4 +/- 1	1.82		0.00 +/- 0.04		
4286	17-NOV-88	4 +/- 2	4 +/- 2			0.01 +/- 0.08	200	
4286	21-FEB-89	1 +/- 1	2 +/- 2	2.45		-0.02 +/- 0.13	230	
4286	09-MAY-89	3.0 +/- 1.4	3.9 +/- 2.6			0.01 +/- 0.03	260	
4286	18-AUG-89	.9 +/- 1.2	4.0 +/- 2.4	1.77		.010 +/- .005		
4286	30-JAN-90	42.2 +/- 14.7	32.1 +/- 15.1	1.53	0.05 +/- 0.41	0.006 +/- 0.004	0.007 +/- 0.006	
4286	16-NOV-90	1.242 +/- .891	1.216 +/- .901	2.5901	.6548 +/- .42		-113 +/- 213	

*=sum of all Uranium isotopes (U233-234,U235,U238)

The table format is: result +/- counting error

Ground Water Dissolved Radiochemistry Results
 East Trenches Area
 Results reported in pCi/l

Well Number	Date Sampled	Gross Alpha	Gross Beta	Uranium Total*	Sr 90	Plutonium 239/240	Americium 241	Tritium
4286	08-MAR-91	.7332 +/- 1.68	2.341 +/- 1.08	2.0351	.05043 +/- .29	.25 +/- .80	0.6 +/- 1.4	11.61 +/- 196
6786	21-JUL-87	19 +/- 33	49 +/- 44	1.6	1.1			475
6786	08-FEB-90	0.4 +/- 1.3	0.8 +/- 1.8	2.57	0.06 +/- 0.49	0.003 +/- 0.006	0.007 +/- 0.006	370 +/- 140
B218789	22-OCT-90	3.535 +/- 2.6	1.198 +/- .889	1.67	.1185 +/- .291			-21.6 +/- 205
B218789	08-MAR-91	3.55 +/- 2.13	1.584 +/- .927	1.6225	.543 +/- .395			107.4 +/- 201

The table format is: result +/- counting error

*=sum of all Uranium isotopes (U233-234,U235,U238)

**GROUND-WATER SAMPLING RESULTS
TOTAL RADIONUCLIDES**

Ground Water Total Radiochemistry Results
903 Pad Area
Results reported in pCi/l

Well Number	Date Sampled	Gross Alpha	Gross Beta	Uranium Total*	Strontium 90	Plutonium 239/240	Americium 241	Tritium
		=====	=====	=====	=====	=====	=====	=====
0171	-AUG-86	6 +/- 3	6 +/- 3	6.4		-0.01 +/- 0.07	0.04 +/- 0.07	250 +/- 230
0171	09-MAR-87	20 +/- 5	14 +/- 1	5.65	1.0	0.91 +/- 0.63	0.0 +/- 1.8	110
0171	30-APR-87	29 +/- 28	0 +/- 22	2.36		0.05 +/- 1.5	0.0 +/- 2.6	290
0171	01-MAY-87	29 +/- 28	0 +/- 22	2.36	0.6	0.05 +/- 1.5	0.0 +/- 2.6	290
0171	21-MAY-87	8 +/- 13	26 +/- 24	4.97	1.0	0.0 +/- 0.59	0.0 +/- 1.3	110
0171	02-MAY-89	7.7 +/- 1.0	9.4 +/- 2.7					
0171	23-FEB-90							274.1064 +/- 155.621
0171	20-NOV-90							
0271	-AUG-86	350 +/- 500	1000 +/- 900	30		.02753 +/- .00891	.009608 +/- .0058	
0271	11-MAR-87	93 +/- 18	86 +/- 20	6.4	3.6	32 +/- 3	4.4 +/- 2.3	-20 +/- 220
0271	09-APR-87	10 +/- 14	14 +/- 7	6.65		1.9 +/- 1.0	0.4 +/- 4.0	110
0271	21-MAY-87	-5.0 +/- 13	23 +/- 38	5.51		.22 +/- .95	0.0 +/- 3.7	170
0271	26-FEB-90	+1.511 +/- +3.563E+0	+4.849 +/- +2.299E+0	14.868		0.02 +/- 0.76	0.0 +/- 1.2	110
0271	21-NOV-90					.03263 +/- .0128	.01295 +/- .00782	
1287	14-JUN-90	83.4 +/- 19.0	40.1 +/- 6.9					
1287	20-SEP-90							
1487	25-APR-89	1.0 +/- .6	3.6 +/- 2.5			.003362 +/- .0039	.001477 +/- .00296	
1487	14-JUN-90	9.0 +/- 2.5	6.7 +/- 2.2					
1487	18-SEP-90					.005917 +/- .00536	.004025 +/- .00458	
1487	20-NOV-90					.003907 +/- .0031	.001774 +/- .00282	
1487	11-JAN-91					.001073 +/- .00215	.004685 +/- .00771	
1587	03-AUG-89	.7 +/- .6	3.2 +/- 2.3					
1587	25-JUN-90	17.0 +/- 4.2	80.0 +/- 14.4	1.95	0.18 +/- 0.14			
1587	27-NOV-90					.000415 +/- .000831	.02079 +/- .01	
1687	02-MAY-89	4.4 +/- 1.0	8.3 +/- 2.6					
1687	03-AUG-89	4.4 +/- 1.2	4.6 +/- 2.5			.005302 +/- .00477	.005161 +/- .00733	
1687	28-NOV-90					.01918 +/- .00869	.008131 +/- .00581	
1687	09-JAN-91							

The table format is: result +/- counting error

*=sum of all Uranium isotopes (U233-234,U235,U238)

Ground Water Total Radiochemistry Results
Mound Area
Results reported in pCi/l

Well Number	Date Sampled	Gross	Beta	Uranium Total*	Strontium 90	Plutonium 239/240	Americium 241	Tritium
		Alpha						
0174	-AUG-86	9 +/- 5	3 +/- 3	3.2	0.03 +/- 0.10	0.04 +/- 0.50	260 +/- 230	
0174	-NOV-86	6 +/- 4	3 +/- 3	2.2	-0.07 +/- 0.12	0.08 +/- 0.10	230 +/- 250	
0174	11-MAR-87	24 +/- 5	11 +/- 10	1.71	0.0 +/- 0.65	0.0 +/- 1.2	260	
0174	22-MAY-87	-5 +/- 7	22 +/- 8	4.6	0.9 +/- 1.1	0.0 +/- 1.2	110	
0174	04-MAY-89	4.1 +/- 1.2	7.5 +/- 2.7					
0174	15-NOV-90							
1787	04-MAY-89	2.3 +/- 1.1	9.2 +/- 2.9					
1787	10-AUG-89	2.1 +/- .8	2.8 +/- 2.5					
1787	06-JUN-90	.9112 +/- 1.959412	2.981 +/- 1.220688	1.4112	-.005775 +/- .14063	.023118 +/- .0119344	.01829 +/- .0057604	
1787	06-NOV-90							
1787	09-MAR-91							
1887	08-MAR-90	+3.196 +/- +1.681E+0	+4.451 +/- +1.235E+0					
1887	05-JUN-90	5.714 +/- 2.15012	3.28 +/- 1.241268					
2387	04-MAY-89	4.5 +/- .7	5.9 +/- 2.7					
2387	01-JUN-90			14.94	0.10 +/- 0.15	0.021 +/- 0.010	0.005 +/- 0.010	50 +/- 180
2387	09-NOV-90					.001838 +/- .00185	.002179 +/- .00358	
2387	08-MAR-91					.009396 +/- .00601	.003758 +/- .00436	
4386	11-MAR-87	20 +/- 11	22 +/- 8			0.23 +/- 0.59	0.0 +/- 1.4	110
4386	03-JUN-87	16 +/- 9	13 +/- 0			0.0 +/- 0.65	0.0 +/- 0.12	110
4386	05-JUN-90	3.3 +/- 1.0	3.4 +/- 1.9			0.34 +/- 0.18	0.001 +/- 0.002	

*=sum of all Uranium Isotopes (U233-234, U235, U238)

The table format is: result +/- counting error

Ground Water Total Radiochemistry Results
East Trenches Area
Results reported in pCi/l

Well Number	Date Sampled	Gross	Alpha	Beta	Uranium Total*	Strontium 90	Plutonium 239/240	Americium 241	Tritium
0286	11-MAY-87	34 +/- 14	25 +/- 0	16.42	.72 +/- .93	0.8 +/- .96	.01329732	110	
0286	01-JUN-87	25 +/- 20	40 +/- 2	0.13	0.9 +/- 1.1	0.0 +/- 1.7		110	
0286	27-JUN-89	33.3 +/- 4.0	24.3 +/- 3.8		-0.02116 +/- .204624	-0.1072 +/- .0105468	-0.01 +/-.009		250 +/- 220
0286	07-JUN-90	12.09 +/- 4.95292	10.54 +/- 2.80672	8.8565	-0.04	-0.16 +/- .31	-0.0 +/-.3.2		230
0374	-AUG-86	13 +/- 7	10 +/- 5		0.39	0.0 +/- .67	0.0 +/- 1.2		110
0374	17-MAR-87	24 +/- 8	35 +/- 17		1.0	0.0 +/- .79	0.004 +/- .004		390 +/- 241
0374	03-JUN-87	-2 +/- 9	29 +/- 19	1.53	0.24 +/- .16	0.002 +/- .002	.0004 +/- .004		
0374	25-MAY-90	4.4 +/- 1.3	2.9 +/- 1.9	3.34		0.002 +/- .002	.0004 +/- .004		
0374	01-AUG-90					0.002 +/- .002	.0004 +/- .004		
0374	16-NOV-90					0.002 +/- .002	.0004 +/- .004		
0386	-SEP-86	170 +/- 80	220 +/- 40	7	1.71	0.01 +/- .07	0.02 +/- .13		160 +/- 230
0386	12-MAY-87	90 +/- 46	39 +/- 21	7.16	0.0 +/- .70	0.0 +/- 2.2			260
0386	08-JUN-87	33 +/- 0	35 +/- 0	6.8	0.0 +/- .59	0.1 +/- 1.5			320
0386	23-MAR-90	19.5 +/- 5.0	13.3 +/- 3.0	15.62	0.09 +/- .15	-0.004 +/- .006	0.004 +/- .004		570 +/- 133
0386	08-JUN-90	10.05 +/- 3.51624	11.24 +/- 1.460396	7.9497	-0.09192 +/- .1868864	0.0126 +/- .0073853	.000553 +/- .005417		
0386	15-NOV-90					0 +/- .00498	.002031 +/- .00237		
0386	14-MAR-91					.004641 +/- .00418	.007005 +/- .00814		
0774	-AUG-86	4 +/- 6	10 +/- 4	2	0.06 +/- 0.08	0.10 +/- 0.06			230 +/- 210
0774	07-MAY-87	6 +/- 16	108 +/- 100	0.882	1.37	.10 +/- .61	0.0 +/- 1.2		110
0774	28-MAY-87	27 +/- 31	79 +/- 22	1.4	1.0	0.03 +/- .76	0.0 +/- 1.2		110
2274	-SEP-86	13 +/- 7	12 +/- 4	6	0.13 +/- .16	0.05 +/- .06			70 +/- 220
2274	13-MAR-87	17 +/- 4	12 +/- 15	3.73	3.8	0.0 +/- .63			110
2274	21-MAY-87	22 +/- 13	36 +/- 22	0.97	1.0	0.00 +/- .70	0.0 +/- 1.2		110
2274	21-JUN-90	14.2 +/- 3.7	16.7 +/- 6.0			0.001 +/- .004			
2274	03-NOV-90					-0.000694 +/- .00139	.003436 +/- .00487		
2587	09-MAY-89	1.8 +/- 1.1	7.4 +/- 2.5						
2587	18-AUG-89	1.7 +/- .8	1.5 +/- 2.3						
2587	11-JUN-90	1.999 +/- 2.36376	1.315						
2587	05-NOV-90								
2587	09-MAR-91								
2787	11-MAY-89	5.3 +/- 1.4	14.3 +/- 3.0						
2787	22-AUG-89	5.4 +/- .7	8.2 +/- 2.8						
3187	11-MAY-89	1.9 +/- 1.0	5.4 +/- 2.6						
3187	18-SEP-90								
3187	21-NOV-90								
3187	11-JAN-91								

The table format is: result +/- counting error

*=sum of all Uranium Isotopes

_=Missing Data

Ground Water Total Radiochemistry Results
East Trenches Area
Results reported in pCi/l

Well Number	Date Sampled	Gross Alpha	Gross Beta	Uranium Total*	Strontrium 90	Plutonium 239/240	Americium 241	Tritium
0286	11-MAY-87	34 +/- 14	25 +/- 0	16.42	1.63	.72 +/- .93	0.8 +/- .96	110
0286	01-JUN-87	25 +/- 20	40 +/- 2	0.13	1.0	0.9 +/- 1.1	0.0 +/- 1.7	110
0286	27-JUN-89	33.3 +/- 4.0	24.3 +/- 3.8					
0286	07-JUN-90	12.09 +/- 4.95292	10.54 +/- 2.80672	8.8565	-.02116 +/- .204624	.01072 +/- .0105468	.01322 +/- .0129732	
0374	-AUG-86	13 +/- 7	10 +/- 5	-0.04		-.16 +/- .31	-.01 +/- .09	250 +/- 220
0374	17-MAR-87	24 +/- 8	35 +/- 17	0.39	9.2	0.0 +/- .67	0.0 +/- 3.2	230
0374	03-JUN-87	-2 +/- 9	29 +/- 19	1.53	1.0	0.0 +/- .79	0.0 +/- 1.2	110
0374	25-MAY-90	4.4 +/- 1.3	2.9 +/- 1.9	3.34	0.24 +/- .16	0.002 +/- .0002	0.004 +/- .0004	390 +/- 241
0374	01-AUG-90					.01727 +/- .00654	.003343 +/- .00301	
0374	16-NOV-90					.0459 +/- .0155	.005111 +/- .00442	
0386	-SEP-86	170 +/- 80	220 +/- 40	7	1.71	0.01 +/- .07	0.02 +/- .13	160 +/- 230
0386	12-MAY-87	90 +/- 46	39 +/- 21	7.16		0.0 +/- .70	0.0 +/- 2.2	260
0386	08-JUN-87	33 +/- 0	35 +/- 0	6.8	1.0	0.0 +/- .59	0.1 +/- 1.5	320
0386	23-MAR-90	19.5 +/- 5.0	13.3 +/- 3.0	15.62	0.09 +/- .15	-0.004 +/- .0006	0.004 +/- .0004	570 +/- 133
0386	08-JUN-90	10.05 +/- 3.51624	11.24 +/- 1.460396	7.9497	-.09192 +/- .1868664	.01126 +/- .0073853	.000553 +/- .005417	
0386	15-MAR-91					0 +/- .00498	.002031 +/- .00237	
0386	14-MAR-91					.004641 +/- .00418	.007005 +/- .00814	
0774	-AUG-86	4 +/- 6	10 +/- 4	2		0.06 +/- 0.08	0.10 +/- 0.06	230 +/- 210
0774	07-MAY-87	6 +/- 16	108 +/- 100	0.882	1.37	.10 +/- .61	0.0 +/- 1.2	110
0774	28-MAY-87	27 +/- 31	79 +/- 22	1.4	1.0	0.03 +/- .76	0.0 +/- 1.2	110
2274	-SEP-86	13 +/- 7	12 +/- 4	6		0.13 +/- .16	0.05 +/- .06	70 +/- 220
2274	13-MAR-87	17 +/- 4	12 +/- 15	3.73	3.8	0.0 +/- .63		110
2274	21-MAY-87	22 +/- 13	36 +/- 22	0.97	1.0	0.00 +/- .70	0.0 +/- 1.2	110
2274	21-JUN-90	14.2 +/- 3.7	16.7 +/- 6.0			0.001 +/- .0004		
2274	03-NOV-90					-.000694 +/- .00139	.003436 +/- .00487	
2587	09-MAY-89	1.8 +/- 1.1	7.4 +/- 2.5					
2587	18-AUG-89	1.7 +/- 2.3						
2587	11-JUN-90	1.999 +/- 2.36376	1.315					
2587	05-NOV-90							
2587	09-MAR-91							
2787	11-MAY-89	5.3 +/- 1.4	14.3 +/- 3.0					
2787	22-AUG-89	5.4 +/- .7	8.2 +/- 2.8					
3187	11-MAY-89	1.9 +/- 1.0	5.4 +/- 2.6					
3187	18-SEP-90					-.000358 +/- .000718	.00177 +/- .00355	
3187	21-NOV-90					.00377 +/- .00269	.001948 +/- .00227	
3187	11-JAN-91					0 +/- .00316	.0006433 +/- .00273	

*=sum of all Uranium isotopes (U233-234,U235,U238)

The table format is: result +/- counting error

Ground Water Total Radiochemistry Results
East Trenches Area
Results reported in pCi/l

Well Number	Date Sampled	Gross Alpha	Gross Beta	Uranium Total*	Strontium 90	Plutonium 239/240	Americium 241	Tritium
		=====	=====	=====	=====	=====	=====	=====
3287	22-JUN-90	25.2 +/- 7.9	27.0 +/- 18.1	8.19	0.23 +/- 0.16	0.001 +/- 0.002	-0.002 +/- 0.002	490 +/- 192
3287	29-NOV-90					.000529 +/- .00224	.0006988 +/- .00297	
3287	15-JAN-91					.001176 +/- .00235	.0008169 +/- .00225	
3487	24-AUG-89	4.2 +/- .9	5.0 +/- 2.4					
3687	09-MAY-89	3.9 +/- 1.5	6.1 +/- 2.6					
3687	05-JUN-90	5.1 +/- 1.4	3.5 +/- 1.9	2.84	0.30 +/- 0.22	0.006 +/- 0.006	0.004 +/- 0.004	350 +/- 171
3687	29-AUG-90					.0008621 +/- .00173	.0008976 +/- .00244	
3687	12-NOV-90					.0009372 +/- .00133	.0026322 +/- .00373	
3687	08-MAR-91					.05767 +/- .0218	.00373 +/- .00614	
3986	-SEP-86	4.4 +/- 21	39 +/- 13	3.7	0.00 +/- 0.09	-0.01 +/- 0.03	180 +/- 220	
3986	06-MAY-87	0 +/- 0	27 +/- 18	3.2	0.6	0.0 +/- .57	0.0 +/- 2.6	250
3986	03-JUN-87	0 +/- 7	6 +/- 5	1.8	1.0	0.21 +/- 0.73	0.0 +/- 1.2	110
3986	09-MAY-89	2.1 +/- .8	4.3 +/- 2.6					
3986	16-AUG-89	1.8 +/- .7	2.2 +/- 2.3					
3986	04-JUN-90	5.1 +/- 1.4	4.6 +/- 1.9	4.45	0.30 +/- 0.17	0.003 +/- 0.004		290 +/- 171
3986	01-NOV-90							
3986	19-MAR-91							
3986	06-MAY-87	33 +/- 13	41 +/- 21	10.39	.66	-0.00211 +/- .000423	.003735 +/- .00477	
4086	11-MAY-89	6.3 +/- 1.4	5.4 +/- 2.7			.24 +/- .73	1.0 +/- 4.6	110
4186	-SEP-86	140 +/- 40	94 +/- 18	6.6		0.01 +/- 0.08	-0.03 +/- 0.10	130 +/- 220
4186	06-MAY-87	36 +/- 13	53 +/- 31	3.7	4.56	0.0 +/- .85		220
4186	01-JUN-87	8 +/- 12	30 +/- 20	2.1	1.0		0.0 +/- 1.2	110
4186	11-MAY-89	3.2 +/- 1.6	7.8 +/- 2.6					
4186	22-JUN-90	16.2 +/- 4.2	9.1 +/- 2.6	6.71	0.23 +/- 0.18	0.002 +/- 0.004	0.007 +/- 0.010	480 +/- 192
4186	20-NOV-90					.001349 +/- .00191	.005558 +/- .00383	
4186	10-JAN-91					.0008898 +/- .00178	.02087 +/- .0188	
4286	-SEP-86	130 +/- 70	180 +/- 40	9.8				
4286	12-MAR-87	52 +/- 18	54 +/- 32	2.79	0.9	0.50 +/- 0.16	0.07 +/- 0.16	210 +/- 230
4286	26-MAY-87	371 +/- 90	213 +/- 36	1.4	1.0	0.12 +/- 0.48	0.3 +/- 4.2	110
4286	09-MAY-89	3.0 +/- 1.4	3.9 +/- 2.6			0.0 +/- 0.55	0.0 +/- 0.12	110
4286	18-AUG-89	.9 +/- 1.2	4.0 +/- 2.4					
4286	11-JUN-90	1.754 +/- 1.97372	2.361 +/- 1.110144	1.7619	-.00348 +/- .235788	.01607 +/- .0075989	.0224 +/- .009548	
4286	16-NOV-90							
4286	08-MAR-91							
6786	-NOV-86	82 +/- 48	120 +/- 30	3.6		.00396 +/- .00426	.005284 +/- .0075	150 +/- 250
6786	11-MAY-87	34 +/- 22	25 +/- 17	3.5	2.32	0.0 +/- .74	0.6 +/- 1.4	270

*=sum of all Uranium isotopes (U233-234,U235,U238)

The table format is: result +/- counting error

Ground Water Total Radiochemistry Results
 East Trenches Area
 Results reported in pCi/l

Well Number	Date Sampled	Gross Alpha	Gross Beta	Uranium Total*	Strontium 90	Plutonium 239/240	Americium 241	Tritium
6786	01-JUN-87	6 +/- 9	40 +/- 8	3.4	1.0	0.0 +/- 0.62	0.0 +/- 1.2	420
6786	12-JUN-90	3.852 +/- 2.58524	3.256 +/- 1.13288	3.2891	.02858 +/- .183554	.005964 +/- .0043943	.002452 +/- .0048059	
B218789	25-MAY-90	4.1 +/- 1.2	3.0 +/- 1.9	2.28	0.16 +/- 0.16	0.004 +/- 0.004	0.010 +/- 0.008	210 +/- 230
B218789	22-OCT-90				.005345 +/- .00439	0 +/- .00565		
B218789	08-MAR-91				.06255 +/- .0206	.02432 +/- .0161		

*=sum of all Uranium isotopes (U233-234, U235, U238)

The table format is: result +/- counting error

APPENDIX B-2

**GROUND-WATER SAMPLING RESULTS
SUMMARY TABLES**

**SUBSURFACE IM/IRA
OPERABLE UNIT NO. 2**

**GROUND WATER SAMPLING RESULTS
SUMMARY TABLES FOR VOLATILE ORGANIC COMPOUNDS**

Summary Table for Ground-Water Volatile Organic Contaminants
903 Pad Area

Analyte	Results reported in ug/l					
	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	Maximum of Values
Chloromethane	86	86	0	14.51	10 U	1 J
Bromomethane	86	86	0	14.51	10 U	1 J
Vinyl Chloride	86	85	1	14.47	10 U	110 BJ
Chloroethane	86	86	0	14.51	10 U	45 BJ
Methylene Chloride	86	50	36	8.63	1 J	1000
Acetone	86	68	18	15.27	2 BJ	3 J
Carbon Disulfide	86	83	3	7.23	2 J	3 J
1,1-Dichloroethene	100	66	34	17.56	1 J	673
1,1-Dichloroethane	86	76	10	8.53	2 J	38
Trans-1,2-Dichloroethene	14	11	3	19.29	5 U	140 J
1,2-Dichloroethene (total)	92	69	23	21.78	1 J	380
Chloroform	100	26	74	76.02	2 J	1525
1,2-Dichloroethane	100	96	4	9.20	2 J	400
2-Butanone	86	83	3	15.62	4 J	150 B
1,1,1-Trichloroethane	100	73	27	33.49	1 J	2892
Carbon Tetrachloride	100	34	66	624.8	4 U	6400 DE
Vinyl Acetate	86	86	0	14.51	10 U	1 J
Bromodichloromethane	86	85	1	7.22	1 J	3 J
1,2-Dichloropropane	86	85	1	7.24	5 U	3 J
cis-1,3-Dichloropropene	86	86	0	7.24	5 U	28800
Trichloroethene	100	17	83	1590	5 U	5 U
Dibromochloromethane	86	86	0	7.24	5 U	5 U
1,1,2-Trichloroethane	100	94	6	6.74	4 U	51
Benzene	86	83	3	7.21	0.9 J	2 J
Trans-1,3-Dichloropropene	86	86	0	7.24	5 U	5 U
2-Chloroethylvinylether	32	32	0	7.45	10 U	5 U
Bromoform	86	86	0	7.24	5 U	5 U
4-Methyl-2-pentanone	86	86	0	14.51	10 U	47
2-Hexanone	86	85	1	14.91	5 U	1000
Tetrachloroethene	100	25	75	83.01	1 J	4 J
1,1,2,2-Tetrachloroethane	86	84	2	7.26	3 J	4 J
Toluene	86	81	5	7.20	1 J	5 U
Chlorobenzene	86	86	0	7.24	5 U	5 U
Ethylbenzene	86	86	0	7.24	5 U	5 U
Styrene	86	86	0	7.24	5 U	5 U
Total Xylenes	86	85	1	7.22	0.8 J	0.8 J

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=Analyzed but not detected, J=Present in Blank, E=Present below Detection limit, B=Present in Blank, D=Sample diluted
 Stations in this area: 0171, 0271, 1187, 1287, 1487, 1587, 1687, 2687

Summary Table for Ground-Water Volatile Organic Contaminants
Mound Area

Analyte	Results reported in ug/l					Minimum of All Values	Maximum of All Values
	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**			
Chloromethane	77	77	0	82.33		10 U	
Bromomethane	77	77	0	82.33		10 U	
Vinyl Chloride	77	77	0	82.33		10 U	
Chloroethane	77	77	0	82.33		10 U	
Methylene Chloride	77	44	33	80.15	1 BJ	4100 B	
Acetone	77	58	19	139.7	2 BJ	8200 B	
Carbon Disulfide	77	75	2	40.71	3 J	4 J	
1,1-Dichloroethene	84	82	2	35.19	4 U	90	
1,1-Dichloroethane	77	77	0	40.69	5 U	38	
Trans-1,2-Dichloroethene	8	6	2	8.33	5 U	38	
1,2-Dichloroethene (total)	80	73	7	38.65	4 U	28	
Chloroform	84	68	16	35.38	2 J	38	
1,2-Dichloroethane	84	83	1	34.51	4 U	20	
2-Butanone	77	76	1	82.34	6 J	6 J	
1,1,1-Trichloroethane	84	81	3	34.48	1 J	16	
Carbon Tetrachloride	84	67	17	40.67	1 J	80	
Vinyl Acetate	77	77	0	82.33	10 U		
Bromodichloromethane	77	77	0	40.69	5 U		
1,2-Dichloropropane	77	77	0	40.69	5 U		
cis-1,3-Dichloropropene	84	45	39	562.2	2 J	18000	
Trichloroethene	77	77	0	40.69	5 U		
Dibromochloromethane	84	84	0	34.36	4 U		
1,1,2-Trichloroethane	77	77	0	40.69	5 U		
Benzene	77	77	0	40.69	5 U		
Trans-1,3-Dichloropropene	28	28	0	68.50	10 U		
2-Chloroethylvinylether	77	77	0	40.69	5 U		
Bromoform	77	76	1	82.32	4 J	4 J	
4-Methyl-2-pentanone	77	77	0	82.33	10 U	528000	
2-Hexanone	84	32	52	10248	1 J		
Tetrachloroethene	77	77	0	40.69	5 U		
1,1,2,2-Tetrachloroethane	77	69	8	40.78	0.9 J	5 B	
Toluene	77	77	0	40.69	5 U		
Chlorobenzene	77	77	0	40.69	5 U		
Ethylbenzene	77	76	1	40.75	5 U	9	
Styrene	77	77	0	40.69	5 U		
Total Xylenes							

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=Analyzed but not detected, J=Present below Detection limit, B=Present in Blank, E=Estimated Value, D=Sample diluted
 Stations in this area: 0174, 1787, 1887, 1987, 2087, 2387, 4386

Summary Table for Ground-Water Volatile Organic Contaminants
East Trenches Area

Analyte	Results reported in ug/l				Average of All Values**	Minimum of All Values	Maximum of All Values
	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**			
Chloromethane	217	217	0	29.94	10 U		
Bromomethane	217	217	0	29.94	10 U		
Vinyl Chloride	217	216	1	29.92	2 J		
Chloroethane	217	217	0	29.94	10 U		
Methylene Chloride	217	133	84	23.72	1 BJ	1600 B	
Acetone	217	167	50	35.78	1 JB	4100 BJ	
Carbon Disulfide	217	213	4	15.02	2 J	12	
1,1-Dichloroethene	246	215	31	18.83	1 J	506	
1,1-Dichloroethane	217	214	3	14.99	3 J	6	
Trans-1,2-Dichloroethene	26	23	3	5.40	2 J	53	
1,2-Dichloroethene (total)	231	200	31	20.64	1 J	170	
Chloroform	246	156	90	50.62	1 J	2810	
1,2-Dichloroethane	246	240	6	16.28	2 J	320	
2-Butanone	217	208	9	29.98	3 BJ	10 B	
1,1,1-Trichloroethane	246	225	21	19.15	1 J	200	
Carbon Tetrachloride	246	150	96	209.4	1 J	4835	
Vinyl Acetate	217	217	0	29.94	10 U		
Bromodichloromethane	217	216	1	14.96	1 J		
1,2-Dichloropropane	217	217	0	14.97	5 U		
cis-1,3-Dichloropropene	246	145	101	3389	1 J	221860	
Trichloroethene	217	217	0	14.97	5 U		
Dibromochloromethane	246	245	1	14.91	4 U	5	
1,1,2-Trichloroethane	217	215	2	14.98	1 J	6	
Benzene	217	217	0	14.97	5 U		
Trans-1,3-Dichloropropene	58	58	0	5.00	10 U		
2-Chloroethylvinylether	217	217	0	14.97	5 U		
Bromoform	217	212	5	30.08	1 J	35	
4-Methyl-2-pentanone	217	214	3	33.17	1 JB	975	
2-Hexanone	246	136	110	105.2	1 J	3200	
Tetrachloroethene	217	214	3	15.07	2 J	15	
1,1,2,2-Tetrachloroethane	217	198	19	15.13	1 J	30 J	
Toluene	217	215	2	14.89	5 U	11 BJ	
Chlorobenzene	217	215	2	14.97	3 J	3 J	
Ethylbenzene	217	217	0	14.97	5 U		
Styrene	217	215	2	14.97	2 BJ	4 J	
Total Xylenes	217						

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS-No Standard, U=Analyzed but not detected, B=Present below Detection Limit, E=Present in Blank, D=Sample diluted
 Stations in this area: 0286, 0374, 0386, 0774, 2274, 2487, 2587, 2887, 3187, 3387, 3487, 3687, 4086, 4186, 4286, 6786, B218789

**GROUND-WATER SAMPLING RESULTS
SUMMARY TABLES FOR DISSOLVED METALS**

Summary Table for Ground-Water Dissolved Metal Contaminants
903 Pad Area

Analyte	Results reported in mg/l					Maximum of Values
	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values*	Minimum of All Values	
Aluminum (Al)	76	29	47	0.0685	0.01 U	1.1972
Antimony (Sb)	77	61	16	0.0205	0.006 U	0.071
Arsenic (As)	74	66	8	0.0024	0.001 U	0.004 J
Barium (Ba)	77	8	69	0.1242	0.0238 J	0.9321
Beryllium (Be)	76	72	4	0.0014	0.001 U	0.0042 B
Cadmium (Cd)	77	72	5	0.0020	0.0005 J	0.0086
Calcium (Ca)	77	0	77	80.0828	6.0019	408.4416
Cesium (Cs)	73	72	1	0.1603	0.005 U	0.1 B
Chromium (Cr)	77	48	29	0.0102	0.003 U	0.0561
Cobalt (Co)	77	72	5	0.0131	0.003 U	0.17
Copper (Cu)	77	50	27	0.0064	0.002 UE	0.0397
Iron (Fe)	77	27	50	2.5359	0.006 B	75.2
Lead (Pb)	73	61	12	0.0026	0.001 U	0.02
Lithium (Li)	48	16	32	0.0611	0.0055 B	0.13
Magnesium (Mg)	77	0	77	15.8845	0.0295	79.8 E
Manganese (Mn)	77	25	52	0.0959	0.001 U	1.05
Mercury (Hg)	74	70	4	0.0001	0.0002 U	0.0003
Holmium(No)	78	59	19	0.0182	0.003 U	0.192
Nickel (Ni)	77	60	17	0.0354	0.004 U	0.2561
Potassium (K)	72	16	56	3.1997	0.7	31
Selenium (Se)	74	35	39	0.0075	.001 U	0.04
Silver (Ag)	77	65	12	0.0049	0.002 U	0.0424
Sodium (Na)	77	0	77	89.1731	7.87	304
Strontrium (Sr)	78	1	77	0.6762	0.201	7.7076
Thallium (Tl)	74	71	3	0.0033	0.001 U	0.001 B
Tin (Sn)	29	19	10	0.0381	0.007 U	0.135 B
Vanadium (V)	77	59	18	0.0159	0.002 U	0.0915
Zinc (Zn)	78	32	46	0.0201	0.0024 B	0.0712

**Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=Analyzed but not detected, J=Present below Detection limit, B=value less than CRDL and greater than IDL, E=Estimated Value
 Stations in this area: 0171, 0271, 1187, 1287, 1487, 1587, 1687

Summary Table for Ground-Water Dissolved Metal Contaminants
Mound Area

Analyte	Results reported in mg/l					Maximum of Values
	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	
Aluminum (Al)	48	19	29	0.0941	0.015 U	0.2556
Antimony (Sb)	46	42	4	0.0168	0.006 U	0.0395 B
Arsenic (As)	46	44	2	0.0034	0.001 U	0.007
Barium (Ba)	48	8	40	0.1156	0.0246	0.1949
Beryllium (Be)	46	46	0	0.0018	0.001 U	
Cadmium (Cd)	46	44	2	0.0014	0.0004 J	0.001 B
Calcium (Ca)	48	0	48	73.1742	12.326	136
Cesium (Cs)	45	41	4	0.0970	0.005 U	0.17 B
Chromium (Cr)	48	38	10	0.0072	0.003 U	0.0676
Cobalt (Co)	48	48	0	0.0113	0.002 U	
Copper (Cu)	48	28	20	0.0262	0.002 U	0.4235
Iron (Fe)	48	21	27	0.0334	0.002 U	0.1942
Lead (Pb)	46	42	4	0.0021	0.001 U	0.008
Lithium (Li)	28	19	9	0.0350	0.002 U	0.01 J
Magnesium (Mg)	48	0	48	8.1421	0.0342	32
Manganese (Mn)	48	14	34	0.0584	0.001 U	1.2694
Mercury (Hg)	46	43	3	0.0001	0.0002 U	0.0002
Molybdenum (Mo)	48	42	6	0.0257	0.002 U	0.057
Nickel (Ni)	48	33	15	0.0562	0.003 U	0.6874
Potassium (K)	46	12	34	6.2176	0.48 B	28
Selenium (Se)	46	39	7	0.0025	0.001 U	0.004 J
Silver (Ag)	48	44	4	0.0047	0.002 U	0.0103
Sodium (Na)	48	0	48	27.0659	5.37	106
Strontium (Sr)	48	2	46	0.4216	0.1107	0.83
Thallium (Tl)	46	46	0	0.0040	0.001 U	
Tin (Sn)	19	16	3	0.0341	0.01 U	0.0888 B
Vanadium (V)	48	39	9	0.0177	0.002 U	0.0377
Zinc (Zn)	48	13	35	0.0908	0.0045 B	2.5552

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=Analyzed but not detected, J=Present below Detection limit, B=value less than CRDL and greater than IDL, E=Estimated Value
 Stations in this area: 0174, 1787, 1887, 2087, 2387, 4386

Summary Table for Ground-Water Dissolved Metal Contaminants
East Trenches Area

Analyte	Results reported in mg/l					Maximum of Values
	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	
Aluminum (Al)	187	59	128	0.1242	.00003 B	8.14
Antimony (Sb)	183	148	35	0.0214	.00005 U	0.1973
Arsenic (As)	182	160	22	0.0026	0.0009 U	0.019
Barium (Ba)	187	17	170	0.1388	.00025	0.3254
Beryllium (Be)	183	176	7	0.0015	0.0002 U	0.0097
Cadmium (Cd)	183	166	17	0.0019	0.0003 J	0.0089
Calcium (Ca)	187	0	187	10149.5	.037208	9905678
Cesium (Cs)	179	168	11	0.1136	0.005 U	0.4 B
Chromium (Cr)	187	132	55	0.0082	0.003 U	0.1223
Cobalt (Co)	187	181	6	0.0103	.00003 U	0.0098 B
Copper (Cu)	187	109	78	0.0097	0.002 U	0.2227
Iron (Fe)	187	64	123	0.1471	.00003 U	14.9
Lead (Pb)	180	154	26	0.0027	0.001 U	0.072
Lithium (Li)	95	32	63	0.0628	0.0034 U	.685
Magnesium (Mg)	187	1	186	20.9696	.029053	225.3522
Manganese (Mn)	187	67	120	0.0428	0.001 U	0.854
Mercury (Hg)	182	170	12	0.0002	0.0001 J	0.013
Molybdenum (Mo)	186	132	54	0.0228	.00003 U	0.19
Nickel (Ni)	187	114	73	0.0305	.00006	0.6822
Potassium (K)	181	38	143	2.4419	0.382 B	14.
Selenium (Se)	182	130	52	0.0055	0.001 U	.22 J
Silver (Ag)	187	153	34	0.0048	0.002 U	0.128
Sodium (Na)	187	0	187	50.4462	.043878	268
Strontrium (Sr)	186	1	185	0.7189	.00141	4.744
Thallium (Tl)	182	179	3	0.0032	0.0009 UW	0.0016 BW
Tin (Sn)	74	42	32	0.0414	0.007 U	.164
Vanadium (V)	187	132	55	0.0169	.00003 U	0.1137
Zinc (Zn)	186	69	117	0.0277	0.002 U	0.98

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=Analyzed but not detected, J=Present below Detection limit, B=value less than IDL, E=Estimated Value
 Stations in this area: 0286, 0374, 0774, 0386, 0774, 2274, 2587, 2787, 2887, 3187, 3287, 3487, 3687, 3986, 4086, 4186, 4286, 6786, B218789

**GROUND-WATER SAMPLING RESULTS
SUMMARY TABLES FOR TOTAL METALS**

Summary Table for Ground-Water Total Metal Contaminants
903 Pad Area
Results reported in mg/l

Analyte	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	Maximum of Values
Aluminum (Al)	10	3	7	2.9564	0.03 B	18.4
Antimony (Sb)	10	10	0	0.0211	0.022 U	
Arsenic (As)	10	8	2	0.0013	0.001 U	0.0026 B
Barium (Ba)	10	4	6	0.1302	0.0743 B	0.291
Beryllium (Be)	10	9	1	0.0028	0.001 U	0.0137
Cadmium (Cd)	10	6	4	0.0028	0.002 U	0.0073
Calcium (Ca)	10	0	10	103.4143	33.1	286
Cesium (Cs)	10	10	0	0.1789	0.002 UW	
Chromium (Cr)	10	3	7	0.0209	0.004 U	0.081
Cobalt (Co)	10	10	0	0.0048	0.004 U	
Copper (Cu)	10	5	5	0.0113	0.0072 B	0.0351
Iron (Fe)	10	1	9	34.2546	0.01 U	236
Lead (Pb)	8	3	5	0.0028	0.0014 B	0.008
Lithium (Li)	10	4	6	0.0706	0.0426 B	0.154
Magnesium (Mg)	10	0	10	24.7936	7.26	82
Manganese (Mn)	10	0	10	0.2112	0.0062 B	1.24
Mercury (Hg)	10	10	0	0.0001	0.0002 U	
Molybdenum(Mo)	10	5	5	0.0083	0.009 U	0.0196
Nickel (Ni)	10	5	5	0.0415	0.009 U	0.269
Potassium (K)	10	2	8	2.5614	0.97 B	6.41
Selenium (Se)	10	4	6	0.0027	0.001 U	0.014 S
Silver (Ag)	10	7	3	0.0053	0.003 U	0.0129
Sodium (Na)	10	0	10	95.9557	8.19	290
Strontium (Sr)	10	2	8	0.6134	0.1 U	2.16
Thallium (Tl)	10	9	1	0.0009	0.001 U	0.0035 B
Tin (Sn)	10	8	2	1.9246	0.03 U	8.99
Vanadium (V)	10	6	4	0.0129	0.0054 B	0.0694 B
Zinc (Zn)	10	2	8	0.0361	0.005 U	0.142

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
NS=No Standard, U=Analyzed but not detected, J=Present below Detection limit, B=value less than CRDL and greater than IDL, E=Estimated Value
Stations in this area: 0171, 0271, 1187, 1287, 1487, 1587, 1687

Summary Table for Ground-Water Total Metal Contaminants
Mound Area

Analyte	Results reported in mg/l					
	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	Maximum of Values
Aluminum (Al)	4	0	4	1.0964	0.0673 B*	2.55 *
Antimony (Sb)	4	1	3	0.0415	0.03 U	0.0514 BN
Arsenic (As)	4	4	0	0.0010	0.002 U	
Barium (Ba)	4	0	4	0.1680	0.137 B	0.198 B
Beryllium (Be)	4	4	0	0.0006	0.001 U	
Cadmium (Cd)	4	0	4	0.0026	0.0023 B	0.0036 B
Calcium (Ca)	4	0	4	104.3000	87.4	116
Cesium (Cs)	5	4	1	0.1048	0.002 UWN	0.08 B
Chromium (Cr)	4	0	4	0.0330	0.0151	0.051
Cobalt (Co)	4	1	3	0.0047	0.0037 B	0.0064 B
Copper (Cu)	4	1	3	0.0071	0.003 U	0.02 B
Iron (Fe)	4	0	4	1.4779	0.0332 B	3.54
Lead (Pb)	4	2	2	0.0022	0.001 U	0.0045
Lithium (Li)	4	1	3	0.0095	0.0063 B	0.0064 B
Magnesium (Mg)	4	0	4	12.0183	9.61	13
Manganese (Mn)	4	0	4	0.0402	0.0064 B	0.0995
Mercury (Hg)	4	4	0	0.0001	0.0002 U	
Molybdenum (Mo)	4	1	3	0.0056	0.0032 B	0.0087 B
Nickel (Ni)	4	0	4	0.0215	0.0062 B	0.0314 B
Potassium (K)	4	0	4	1.4907	0.772 B	2.15 B
Selenium (Se)	4	2	2	0.0013	0.001 U	0.002 B
Silver (Ag)	4	0	4	0.0070	0.0026 B	0.025
Sodium (Na)	4	0	4	10.9567	7.6	18
Strontrium (Sr)	4	0	4	0.4600	0.407 N	0.492 N
Thallium (Tl)	4	4	0	0.0010	0.002 U	
Tin (Sn)	4	1	3	0.0388	0.0251 BN	0.0279 BN
Vanadium (V)	4	0	4	0.0101	0.0063 B	0.0124 B
Zinc (Zn)	4	0	4	0.0326	0.0188 B	0.0441

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=analyzed but not detected, J=Present below Detection limit, B=value less than CRDL and greater than IDL, E=Estimated Value
 Stations in this area: 0174, 1787, 2387

Summary Table for Ground-Water Total Metal Contaminants
East Trenches Area
Results reported in mg/l

Analyte	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	Maximum of Values
Aluminum (Al)	15	4	11	2.1479	0.06 U	16.6
Antimony (Sb)	15	11	4	0.0242	0.0276 B	0.0451 BN
Arsenic (As)	15	11	4	0.0019	0.002 UN	0.0061 B
Barium (Ba)	15	2	13	0.1810	0.0568 B	0.317
Beryllium (Be)	15	14	1	0.0009	0.001 U	0.0023 B
Cadmium (Cd)	15	4	11	0.0027	0.0019 B	0.0054
Calcium (Ca)	15	0	15	99.8000	18.5	150
Cesium (Cs)	15	14	1	0.0920	0.002 UN	0.06 B
chromium (Cr)	15	1	14	0.0268	0.01 U	0.0572
cobalt (Co)	15	11	4	0.0051	0.0045 B	0.0069 B
Copper (Cu)	15	5	10	0.0111	0.003 U	0.0276
Iron (Fe)	15	0	15	2.2602	0.0104 B	11.6
Lead (Pb)	15	6	9	0.0039	0.001 U	0.015
Lithium (Li)	15	11	4	0.0198	0.0061 B	0.0087 B
Magnesium (Mg)	15	0	15	12.5100	4.87 B	21.4
Manganese (Mn)	15	0	15	0.0497	0.0041 B	0.333
Mercury (Hg)	15	14	1	0.0001	0.0002 U	0.0002
Molybdenum(Mo)	15	11	4	0.0054	0.003 U	0.0123 B
Nickel (Ni)	15	4	11	0.0202	0.0038 B	0.0438
Potassium (K)	15	0	15	2.1985	0.903 B	5.04
Selenium (Se)	15	11	4	0.0013	0.001 U	0.002 B
Silver (Ag)	15	7	8	0.0076	0.0034 B	0.0281
Sodium (Na)	15	0	15	36.7663	9.41	103
Strontium (Sr)	15	0	15	0.5025	0.268	0.991
Thallium (Tl)	15	15	0	0.0008	0.001 U	
Tin (Sn)	15	11	4	0.0422	0.0215 BN	0.0299 B
Vanadium (V)	15	7	8	0.0125	0.01 U	0.0505
Zinc (Zn)	15	1	14	0.0348	0.005 U	0.135

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=Analyzed but not detected, J=Present below Detection Limit, B=value less than CRDL and greater than IDL, E=Estimated Value
 Stations in this area: 0374, 2274, 2587, 3187, 3487, 3986, 4086, 4186, 4286, B218789

**GROUND-WATER SAMPLING RESULTS
SUMMARY TABLES FOR INORGANIC COMPOUNDS**

Summary Table for Ground-Water Inorganic Contaminants
903 Pad Area

Analyte	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	Maximum of Values
pH	(pH units)	13	0	7.5500	5.9	8.2
Total Suspended Solids	(mg/l)	29	3	367.8048	4 U	3100
Nitrate-Nitrite as N	(mg/l)	84	2	2.9029	0.02 U	19.9
Chloride	(mg/l)	87	0	99.3344	2.8	1100
Sulfate	(mg/l)	83	0	88.5811	1.83	418
Total Dissolved Solids	(mg/l)	92	0	594.4146	27	3600
HC03-	(mg/l)	84	0	222.6224	4	530

**Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
N=No Standard, U=Analyzed but not detected, J=Present below Detection limit, B=Present in Blank, E=Estimated Value
Stations in this area: 0171, 0271, 1187, 1287, 1487, 1587, 1687

Summary Table for Ground-Water Inorganic Contaminants
Mound Area

Analyte	Number of Results	Number of Non-Detects	Number of Hits	Average of All Values**	Minimum of All Values	Maximum of Values
				8.2000	7.4	9.9
pH (pH units)	7	0	7	8.2000	7.4	9.9
Total Suspended Solids (mg/l)	18	1	17	300.9167	4	800
Nitrate-Nitrite as N (mg/l)	57	1	56	4.1721	0.02 U	44.8
Chloride (mg/l)	54	0	54	36.3114	5.85	275
Sulfate (mg/l)	53	0	53	50.1596	3.29 J	261
Total Dissolved Solids (mg/l)	55	0	55	390.5088	163	590
HCO ₃ -	55	2	53	185.2782	0	360

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=Analyzed but not detected, J=Present below Detection limit, B=Present in Blank, E=Estimated Value
 Stations in this area: 0174, 1787, 1887, 1987, 2087, 2387, 4386

Summary Table for Ground-Water Inorganic Contaminants
East Trenches Area

Analyte		Number of	Number of	Average of All Values**	Minimum of All Values	Maximum of Values
		Results	Non-Detects			
pH	(pH units)	33	0	7.6971	7.2	9.3
Total Suspended Solids	(mg/l)	80	6	517.5627	4 U	8400
Nitrate-Nitrite as N	(mg/l)	214	13	4.6516	0.02 U	42.0
Chloride	(mg/l)	215	0	51.7077	3.94	947
Sulfate	(mg/l)	209	0	88.5496	9	760
Total Dissolved Solids	(mg/l)	220	0	518.7535	137	2400
HC03-	(mg/l)	207	0	245.0285	0	588

**=Mean is first computed at individual stations and then averaged; if result qualifier is U, statistics are calculated using 0.5 the reported result.
 NS=No Standard, U=Analyzed but not detected, J=Present below Detection limit, B=Present in Blank, E=Estimated Value
 Stations in this area: 0286, 0374, 0386, 0774, 2274, 2487, 2587, 3187, 3487, 3687, 3986, 4086, 4186, 4286, 6786, 8218789

APPENDIX C

**APPLICABLE OR RELEVANT AND APPROPRIATE
REQUIREMENTS FOR GROUND-WATER CONTAMINANTS**

**SUBSURFACE IM/IRA/EA
OPERABLE UNIT NO. 2**

TABLE C-1
PROPOSED ARARs/TBCs FOR POTENTIAL CONSTITUENTS IN DISCHARGES OF TREATED GROUND WATER
(Units are $\mu\text{g/l}$, unless otherwise specified)

Parameter	Maximum Concentration In Ground Water ^(a)	ARAR	TBC	ARRAR Reference	Comments
Organics					
Acetone	1300B	NS		No standard.	
Methylene Chloride	240JB	5U		WQCC Surface Water Standard; State-Wide Water and Fish Ingestion.	Proposed ARAR standard is below detection limit. ARAR defaults to detection limit.
Tetrachloroethene	528000	0.8		WQCC Surface Water Standard; State-Wide Water and Fish Ingestion.	
Toluene	53	1000		WQCC Surface Water Standard; State-Wide Water and Fish Ingestion.	
Trichloroethene	221860	2.7		WQCC Surface Water Standard; State-Wide Water and Fish Ingestion.	
Carbon Disulfide	5	NS		No standard.	
Chloroform	5427	6		WQCC Surface Water Standard; State-Wide Water and Fish Ingestion.	
Vinyl Chloride	930	2		WQCC Surface Water Standard; State-Wide Water and Fish Ingestion.	
1,1-Dichloroethane	62A	NS		No standard.	
1,2-Dichloroethane	400	0.4		WQCC Surface Water Standard; State-Wide Water and Fish Ingestion.	
1,1-Dichloroethene	1044	0.057		WQCC Surface Water Standard; State-Wide Water and Fish Ingestion.	
Total 1,2-Dichloroethene	1600	70		WQCC Surface Water Standard; State-Wide Water Supply.	Standard shown is for cis-isomer.
1,1,1-Trichloroethane	2892	200		WQCC Surface Water Standard; State-Wide Water and Fish Ingestion.	
1,1,2-Trichloroethane	51	0.6		WQCC Surface Water Standard; State-Wide Water and Fish Ingestion.	
4-methyl-2-pentanone	35	NS		No standard.	
2-Hexanone	975	NS		No standard.	

TABLE C-1 (Continued)
PROPOSED ARARs/TBC's FOR POTENTIAL CONSTITUENTS IN DISCHARGES OF TREATED GROUND WATER
(Units are $\mu\text{g/l}$, unless otherwise specified)

Parameter	Maximum Concentration in Ground Water ^(a)	ARAR	TBC	ARAR Reference	Comments
<u>Organics, (Con't.)</u>					
Styrene	9A	100		SDWA MCL [40 CFR 141.61(a)]	MCL promulgated at 56 FR 3526, effective July 30, 1992.
Xylene	4J	10,000		SDWA MCL [40 CFR 141.61(a)]	MCL promulgated at 56 FR 3526, effective July 30, 1992.
Ethyl Benzene	3J	680		WQCC Surface Water Standard; State-Wide Water Supply.	
Benzene	2JA	1.0		WQCC Surface Water Standard; State-Wide Water and Fish Ingestion.	
Carbon Tetrachloride	450	0.25		WQCC Surface Water Standard; State-Wide Water and Fish Ingestion.	
<u>Metals</u>					
Aluminum	2.6796		87	WQCC Surface Water Standard; Aquatic Life Table Value Standard is TBC.	
Antimony	0.1177		146	CWA AWQC water and fish ingestion standard is TBC.	
Arsenic	0.040	50		SDWA MCL [40 CFR 141.11(b)]	
Barium	0.9321	1000	5U	SDWA MCL [40 CFR 141.11(b)]	
Beryllium	0.0022J			CWA AWQC water and fish ingestion standard is TBC.	
Cadmium	0.009A	5		SDWA MCL [40 CFR 141.62(b)]	
Calcium	408.4416	NS		No Standard.	
Chromium	0.1223	100		SDWA MCL [40 CFR 141.62(b)]	MCL promulgated at 56 FR 3526, effective July 30, 1992.
Copper	0.8355	1,300		SDWA MCLG [40 CFR 141.5(b)]	MCLG promulgated at 56 FR 3526, effective July 30, 1992.

TABLE C-1 (Continued)
PROPOSED ARARS/TBC's FOR POTENTIAL CONSTITUENTS IN DISCHARGES OF TREATED GROUND WATER
(Units are $\mu\text{g/l}$, unless otherwise specified)

Parameter	Maximum Concentration in Ground Water ^(a)	ARAR	TBC	ARAR Reference	Comments
Metals (Con't.)					
Iron	4.347		1000(300)	WQCC Surface Water Standard; Site-Specific Metal Standard is TBC.	Dissolved iron in parentheses.
Lead	0.024		4.34 ^(b)	WQCC Surface Water Standard; Site-Specific Metal Standard is TBC.	
Lithium	0.22	NS		No Standard.	
Magnesium	135.7122	NS		No Standard.	
Manganese	4.3699		1000(50)	WQCC Surface Water Standards Site-Specific Metal Standard is TBC.	Dissolved manganese in parentheses.
Mercury	0.013	2		SDWA MCL [40 CFR 141.11(b)]	
Molybdenum	0.1347	NS		No Standard.	
Nickel	1.4097		101.4 ^(b)	WQCC Surface Water Standards Site-Specific Metal Standard is TBC.	
Potassium	31	NS		No Standard.	
Selenium	0.45	50		SDWA MCL [40 CFR 141.62(b)]	
Silver	0.128	50		SDWA MCL [40 CFR 141.11(b)]	
Sodium	405.0172	NS		No Standard.	
Strontium	7.7076	NS		No Standard.	
Thallium	0.01 ^(b)		13	CWA AWQC water and fish ingestion standard is TBC.	
Vanadium	0.041 ^(b)	NS		No standard.	
Zinc	2.7735		113.2 ^(b)	WQCC Surface Water Standard; Site-Specific Metal Standard is TBC.	
Nitrite	15.45	1000		SDWA MCL [40 CFR 141.62(b)]	MCL promulgated at 56 FR 3526, effective July 30, 1992.

TABLE C-1 (Continued)
PROPOSED ARARS/TBC's FOR POTENTIAL CONSTITUENTS IN DISCHARGES OF TREATED GROUND WATER
(Units are $\mu\text{g/l}$, unless otherwise specified)

Parameter	Maximum Concentration in Ground Water ^(a)	ARAR	TBC	ARAR Reference	Comments
Non-Metallic Inorganics					
Nitrate	15.45	10000		SDWA MCL [40 CFR 141.62(b)]	MCL promulgated at 56 FR 3526, effective July 30, 1992.
Chloride	947		250000	WQCC Surface Water Standard; Site-Specific Inorganic Standard is TBC.	
Sulfate	1157		250000	WQCC Surface Water Standard; Site-Specific Inorganic Standard is TBC.	
TDS	3219		250000	CWA AWQC water and fish ingestion standard is TBC.	
Fluoride	1.0	4000		SDWA MCL [40 CFR 141.11 (c)]	
Bicarbonate	530	NS		No Standard.	
Radionuclides (units are pCi/l)					
Gross Alpha	250 ± 52	15 pCi/l		SDWA MCL [40 CFR 141.15(b)]	
Gross Beta	327 ± 20			WQCC Surface Water Standard; Site-Specific Radionuclide Standard is TBC.	
Pu ^{239,240}	0.6 ± 0.71	15 pCi/l		WQCC Surface Water Standard; Site-Wide Radionuclide Standard.	
H ³	560 ± 290	20000 pCi/l		WQCC Surface Water Standard; State-Wide Radionuclide Standard.	
Sr ^{89,90}	5.0	8 pCi/l		WQCC Surface Water Standard; State-Wide Radionuclide Standard.	
U ²³¹	63.7 ± 5.3	40 pCi/l		WQCC Surface Water Standard; Basin-Wide Radionuclide Standard.	
Am ²⁴¹	0.831 ± 0.148		0.05 pCi/l	WQCC Surface Water Standard; Site-Specific Radionuclide Standard is TBC.	
Cs ¹³⁷	0.3 ± 0.5	NS		No Standard.	
Ra ²²⁶	0.4 ± 0.4	5 pCi/l		WQCC Surface Water Standard; State-Wide Radionuclide Standard.	
					Maximum detected concentration is estimated below minimum detection limit.

TABLE C-1 (Continued)
PROPOSED ARARs/TBC's FOR POTENTIAL CONSTITUENTS IN DISCHARGES OF TREATED GROUND WATER
 (Units are $\mu\text{g/l}$, unless otherwise specified)

A	-	Accepted with qualifications
B	-	Compound also present in blank.
J	-	Estimated below detection limit.
mrem/yr	Millirem per year	
NS	-	No ARAR Standard
U	-	Detection Limit.

(a) Maximum compound concentrations determined from the Operable Unit 2 RFI/RIFS Work Plan (EG&G, 1990c).

(b) Constituent reported below contract required detection limit.

(c) Calculated using an estimated average hardness of 108.1 mg/l of CaCO₃, based on the background Geochemical characterization Report (EG&G, 1989).

TABLE C-2.1
**POTENTIAL CHEMICAL-SPECIFIC ARARs/TBCs FOR CONSTITUENTS IN DISCHARGES OF
 TREATED GROUNDWATER FEDERAL SURFACE WATER QUALITY STANDARDS**
(Units are $\mu\text{g/l}$, unless otherwise specified)

Parameter	SDWA Maximum Concentration In Ground-Water ^(a)	SDWA Maximum Contaminant Level Goal ^(a)	CWA AWQC for Protection of Aquatic Life ^(c)		CWA Water Quality Criteria for Protection of Human Health ^(a)	
			Acute Value	Chronic Value	Water and Fish Ingestion	Fish Consumption Only
Organics						
Acetone						
Methylene Chloride	[5 ^(b)]	[0 ^(b)]	5280 ⁽¹⁾	840 ⁽¹⁾	0.8 ⁽⁸⁾	8.85 ⁽⁸⁾
Tetrachloroethene	[1000 ^(b)]	[1000 ^(b)]	17500 ⁽¹⁾	14300	424000	
Toluene			45000	21900	2.7	80.7
Trichloroethene	5					
Carbon Disulfide	100 ⁽²⁾		28900 ⁽¹⁾	12400 ⁽⁴⁾	0.19 ⁽⁸⁾	15.7 ⁽⁸⁾
Chloroform	2	0			2 ⁽⁸⁾	525 ⁽⁸⁾
Vinyl Chloride						
1,1-Dichloroethane			118000 ⁽¹⁾	20000 ⁽¹⁾	0.94 ⁽⁸⁾	243 ⁽⁸⁾
1,2-Dichloroethane	5	7	11.6 ⁽¹⁾⁽⁴⁾		0.032 ⁽¹⁾⁽⁴⁾	1.85 ⁽¹⁾⁽⁴⁾
1,1-Dichloroethene	7		7	11.6 ⁽¹⁾⁽⁴⁾	0.033 ⁽¹⁾⁽⁴⁾	1.85 ⁽¹⁾⁽⁴⁾
Total 1,2-Dichloroethene ⁽⁸⁾	[70 ^(b)]	[70 ^(b)]			18400	1030000
1,1,1-Trichloroethane	200				9400 ⁽¹⁾	0.6 ⁽⁸⁾
1,1,2-Trichloroethane						
4-methyl-2-pentanone						
2-Hexanone	[100 ^(b)]	[100 ^(b)]				
Styrene	[10000 ^(b)]	[10000 ^(b)]				
Xylene	[700 ^(b)]	[700 ^(b)]				
Ethyl Benzene	5		32000 ⁽¹⁾		1400	3280
Benzene			5300 ⁽¹⁾		0.86	40 ⁽⁸⁾
Carbon Tetrachloride	5	0	35200 ⁽¹⁾		0.4 ⁽⁸⁾	6.94 ⁽⁸⁾

TABLE C-2.1
POTENTIAL CHEMICAL-SPECIFIC ARARs/TBCs FOR CONSTITUENTS IN DISCHARGE OF TREATED GROUND WATER
FEDERAL SURFACE WATER QUALITY STANDARDS
(Units are $\mu\text{g/l}$, unless otherwise specified)

Parameter	SDWA Maximum Concentration in Ground-Water(s)	SDWA Maximum Contaminant Level Goal ^(a)	CWA AWQC for Protection of Aquatic Life ^(c)		CWA Water Quality Criteria for Protection of Human Health ^(c)	
			Acute Value	Chronic Value	Water and Fish Ingestion	Fish Consumption Only
Metals						
Aluminum						
Antimony	50		9000 ⁽¹⁾	1600 ⁽¹⁾	146	45000
Arsenic	1000		130 ⁽¹⁾	5.3 ⁽¹⁾	0.0022 ⁽⁸⁾	0.0175 ⁽⁸⁾
Barium					1000	
Beryllium	10[5 ^(b)]	[5 ^(b)]	3.9 ⁽³⁾	1.1 ⁽³⁾	0.0068 ⁽⁸⁾	0.117 ⁽⁸⁾
Cadmium					10	
Calcium	50[100 ^(b)]	[100 ^(b)]	16 ⁽⁷⁾	11 ⁽⁷⁾	50 ⁽⁷⁾	
Chromium						
Copper	1300		18 ⁽³⁾	12 ⁽³⁾	1000	
Iron					300	
Lead	0		82 ⁽³⁾	3.2 ⁽³⁾	50	
Lithium						
Magnesium					50	100
Manganese	2	[2 ^(b)]	2.4	0.012	0.144	0.146
Mercury						
Molybdenum					100 ⁽³⁾	
Nickel					13.4	100
Potassium	10[50 ^(b)]	[50 ^(b)]	260	35	10	
Selenium	50					
Silver						

TABLE C-2.1
POTENTIAL CHEMICAL-SPECIFIC ARARs/TBCs FOR CONSTITUENTS IN DISCHARGE OF TREATED GROUND WATER
FEDERAL SURFACE WATER QUALITY STANDARDS
(Units are $\mu\text{g/l}$, unless otherwise specified)

Parameter	SDWA Maximum Concentration in Ground-Water ^(a)	SDWA Maximum Contaminant Level Goal ^(a)	CWA AWQC for Protection of Aquatic Life ^(a)		CWA Water Quality Criteria for Protection of Human Health ^(a)	
			Acute Value	Chronic Value	Water and Fish Ingestion	Fish Consumption Only
Metals. (Cont.)						
Sodium		4.1 ⁽³⁾	0.12 ⁽³⁾	50		
Strontium			1400 ⁽¹⁾	40 ⁽¹⁾		
Thallium				13		
Vanadium			120 ⁽³⁾	110 ⁽³⁾		
Zinc						
Non-Metallic Inorganics						
pH (maximum)						
pH (minimum)		[1000 ⁽⁶⁾]	[1000 ⁽⁶⁾]			
Nitrite		10000	[10000 ⁽⁶⁾]			
Nitrate				10000		
Chloride						
Sulfate						
TDS					55	250000
Fluoride		4000				
Bicarbonate						
Radionuclides						
Gross Alpha		15 pCi/l				
Gross Beta		4 mrem/yr ⁽⁶⁾				
Pu _{239,240}						
H ³		20000 pCi/l				

TABLE C-2.1
POTENTIAL CHEMICAL-SPECIFIC ARARs/TBCs FOR CONSTITUENTS IN DISCHARGE OF TREATED GROUND WATER
FEDERAL SURFACE WATER QUALITY STANDARDS
(Units are $\mu\text{g/l}$, unless otherwise specified)

Parameter	SDWA Maximum Concentration in Ground-Water ^(a)	SDWA Maximum Contaminant Level Goal ^(a)	CWA AWQC for Protection of Aquatic Life ^(c)		CWA Water Quality Criteria for Protection of Human Health ^(d)	
			Acute Value	Chronic Value	Water and Fish Ingestion	Fish Consumption Only
Radionuclides (cont.)						
Sr ^{89,90}	8 pCi/l					
U ^{total}						
Am ²⁴¹						
Cs ¹³⁷						
Ra ²²⁶		5 pCi/l				

^a EPA National Primary and Secondary Drinking Water Regulations, 40CFR Parts 141 and 143.

^b Standard shown in brackets is amended MCL or MCLG, EPA National Primary and Secondary Drinking Water Regulations, 40CFR Parts 141-143, Final Rule (1/30/91), effective July 30, 1992.

^c EPA Quality Criteria for protection of Aquatic Life, 1986.

^d Criterion not developed; value shown is lowest observed effects level.

^e Standard is for total trihalomethanes: chloroform, bromodichloromethane, dibromochloromethane.

^f Hardness dependent criteria.

^g Criteria is for dichloroethene.

^h SDWA standard for gross beta of 4 mrem/yr is an exposure equivalency. Compliance with the standard cannot be determined through testing for gross beta. Rather, a cumulative dose must be derived for all radionuclides using the method described in 40CFR 141.16(b).

ⁱ Standard shown is for total or cis-isomer. MCL and MCLG for trans-isomer are both [100^(b)].

^j Standard shown is for hexavalent chromium.

^k Human health criteria for carcinogens reported for three risk levels. Value shown is the 10⁻⁵ risk level.

TABLE C-2.2
POTENTIAL CHEMICAL-SPECIFIC ARARS/TBCS FOR CONSTITUENTS IN
DISCHARGES OF TREATED GROUND WATER
STATE SURFACE WATER QUALITY STANDARDS
(Units are $\mu\text{g/l}$, unless otherwise specified)

Parameter	Statewide Standards (a)				Segment 6 Classification and Water Quality Standards (b) CDH/WQCC			
	Human Health		Aquatic Life		Table Value Standards		Steam Segment Table (2)	
	Water Supply	Water & Fish	Acute Value	Chronic Value	Aquatic Life	Agricultural Standard	Drinking Water Supply	Chronic Value
Organics								
Acetone								
Methylene Chloride		4.7	0.8	840				
Tetrachloroethene	5	1000	5280					
Toluene		1000	17500					
Trichloroethene	5		2.7	45000	21900			
Carbon Disulfide								
Chloroform	6	6	6	28900	1240			
Vinyl Chloride	2	2	2					
1,1-Dichloroethane								
1,2-Dichloroethane	0.4		0.4	118000	20000			
1,1-Dichloroethene		7	0.057					
Total 1,2-Dichloroethene		70 st						
1,1,1-Trichloroethane	200		200					
1,1,2-Trichloroethane	3	0.6	9400					
4-methyl-2-pentanone								
2-Hexanone								
Styrene								
Xylene								
Ethyl Benzene	680	3100	32000					

TABLE C-2.2 (Continued)
POTENTIAL CHEMICAL-SPECIFIC ARARs/TBCs FOR CONSTITUENTS IN
DISCHARGES OF TREATED GROUND WATER
STATE SURFACE WATER QUALITY STANDARDS
(Units are $\mu\text{g/l}$, unless otherwise specified)

Parameter	Statewide Standards (a) CDH/WQCC				Table Value Standards Table 1 Additional Organic Chemical Standards				Segment 5 Classification and Water Quality Standards (b) CDH/WQCC			
	Human Health		Aquatic Life		State-Wide Radionuclide Standards		Aquatic Life		Agricultural Standard		Drinking Water Supply	
	Water Supply	Water & Fish	Acute Value	Chronic Value	Acute Value	Chronic Value	Acute Value	Chronic Value	Acute Value	Chronic Value	Acute Value	Chronic Value
<u>Organics (Con't.)</u>												
Benzene	1.0	1.0	5300				750	87				
Carbon Tetrachloride	0.3	0.26	35200				360	160				
<u>Metals</u>												
Aluminum							360	100	50	50	60	
Antimony							100	100	1000	1000		
Arsenic							100	100	0.0076	0.0076		
Barium							10	10	10	10	5.92(1)	
Beryllium							5.92(1)	1.21(1)	1.21(1)	1.21(1)	1.21(1)	
Cadmium							1850.9(1)	220.6(1)	100	50	50	
Calcium							16	11	100	50	16	11
Chromium III							19.1(1)	12.6(1)	200	1000	1000	12.6(1)
Chromium IV							1000		300(diss)	300(diss)	300(diss)	
Copper							108.7(1)	4.34(1)	100	50	108.7(1)	4.34(1)
Iron												
Lead												
Lithium												
Magnesium												

TABLE C-2.2 (Continued)
POTENTIAL CHEMICAL-SPECIFIC ARARs/TBCs FOR CONSTITUENTS IN
DISCHARGES OF TREATED GROUND WATER
STATE SURFACE WATER QUALITY STANDARDS
(Units are $\mu\text{g/l}$, unless otherwise specified)

Parameter	Statewide Standards (a) CDH/wQCC				Table Value Standards State-Wide Radionuclide Standards				Segment 5 Classification and Water Quality Standards (b) CDH/wQCC			
	Human Health		Aquatic Life		Aquatic Life		Agricultural Standard		Additional Organic Chemical Standards		Table 2 Radio-nuclides	
	Water Supply	Water & Fish	Acute Value	Chronic Value	Acute Value	Chronic Value	Drinking Water Supply	Agricultural Standard	Acute Value	Chronic Value	(2)	Steam Segment Table
Metals (cont.)												
Manganese					2.4	0.1			2.0			
Mercury					978.5(1)	101.4(1)				978.5(1)		101.4(1)
Molybdenum					135	17	20	10		10		0.01
Nickel					2.32(1)	0.37(1)	60			2.32(1)		0.37(1)
Potassium												
Selenium												
Silver												
Sodium												
Strontium												
Thallium												
Vanadium												
Zinc					125.0(1)	113.2(1)	2000	5000		125.0(1)		113.2(1)
Non-Metallic Inorganics												
pH (maximum)												
pH (minimum)												
Nitrite											1000	
Nitrate											10000	10000

TABLE C-2.2 (Continued)
POTENTIAL CHEMICAL-SPECIFIC ARARs/TBCs FOR CONSTITUENTS IN
DISCHARGES OF TREATED GROUND WATER
STATE SURFACE WATER QUALITY STANDARDS
(Units are $\mu\text{g/l}$, unless otherwise specified)

Parameter	Statewide Standards (a) CDH/WQCC				Segment 5 Classification and Water Quality Standards (b) CDH/WQCC			
	Human Health		Aquatic Life		State-Wide Radionuclide Standards		Table Value Standards	
	Water Supply	Water & Fish	Acute Value	Chronic Value	Acute Value	Chronic Value	Aquatic Life	Agricultural Standard
<u>Non-Metallic Inorganics (Con't.)</u>								
Chloride							250000	250000
Sulfate							250000	250000
TDS							2000	
Fluoride								
Bicarbonate								
<u>Radionuclides</u>								
<u>Gross Alpha</u>					15 pCi/l		7 pCi/l	
<u>Gross Beta</u>					20000 pCi/l		5 pCi/l	
$\text{Pu}^{239,240}$					8 pCi/l		0.05 pCi/l	
H^3					40 pCi/l(4)		5 pCi/l	
$\text{Sr}^{90,89}$							500 pCi/l	
U^{Total}							8 pCi/l	
Cs^{137}							5 pCi/l	
Ra^{226}							0.05 pCi/l	
Am^{241}							0.05 pCi/l	

TABLE C-2.2 (Continued)
POTENTIAL CHEMICAL-SPECIFIC ARARS/TBCS FOR CONSTITUENTS IN
DISCHARGES OF TREATED GROUND WATER
STATE SURFACE WATER QUALITY STANDARDS
(Units are $\mu\text{g/l}$, unless otherwise specified)

(1) Calculated using an estimated average hardness of 108.1 mg/l of CaCO_3 , based on the Background Geochemical Characterization Report, EG&G, 1989.

(2) The site-specific standards for stream segment 5 are currently goals.

(3) Human health standard is for cis-isomer. Standard for trans- isomer is 100 $\mu\text{g/l}$.

(4) Standard shown for uranium is for the South Platte River, Laramie River, Republican River, and Smoky Hill River Basins; per 5 CCR Section 3.8.5(3).

5 CCR 1002-8, Section 3.1.11

5 CCR 1002-8, Section 3.8.6

TABLE C-3
ACTION-SPECIFIC ARARS FOR POTENTIAL CONSTITUENTS
IN WASTES FOR OFF-SITE DISPOSAL OR
ON-SITE PLACEMENT, OPERABLE UNIT NO. 2
SUBSURFACE INTERIM REMEDIAL ACTION*

<u>Constituent***</u>	<u>Potential Waste Code</u>	<u>Treatment Standard**</u>	<u>Best Demonstrated Available Technology (BDAT) Basis for Standard</u>
Aluminum	--	--	--
Antimony	--	--	--
Arsenic	D004	5.0 mg/l	Vitrification
Barium	D005	100 mg/l	Chemical Precipitation
Beryllium	P015 (as product dust)	--	Metals Recovery ¹
Cadmium	D006	1.0 mg/l	Stabilization
Calcium	--	--	--
Chromium	D007	5.0 mg/l	Stabilization
Copper	--	--	--
Iron	--	--	--
Lead	D008	5.0mg/l	Stabilization
Lithium	--	--	--
Manganese	--	--	--
Magnesium	--	--	--
Mercury	D009	0.20 mg/l	Acid Leaching and Chemical Precipitation
	U151	--	Thermal Recovery ¹
Molybdenum	--	--	--
Nickel	F006-F009, F011, F012	0.32 mg/l	Stabilization
Potassium	--	--	--
Selenium	D010	5.7 mg/l	Stabilization
Silver	D011	5.0 mg/l	Stabilization
Sodium	--	--	--

TABLE C-3 (Continued)

**ACTION-SPECIFIC ARARS FOR POTENTIAL CONSTITUENTS
IN WASTES FOR OFF-SITE DISPOSAL OR
ON-SITE PLACEMENT, OPERABLE UNIT NO. 2
SUBSURFACE INTERIM REMEDIAL ACTION***

Constituent***	Potential Waste Code	Treatment Standard**	Best Demonstrated Available Technology (BDAT) Basis for Standard
Strontium	--	--	--
Thallium	--	--	--
Vanadium	--	--	--
Zinc	--	--	--
Carbon Tetrachloride	U211 F001	5.6 mg/kg 0.96 mg/l	Incineration or Fuel Substitution Incineration
1,1 Dichloroethene	U078	33 mg/kg	Incineration or Fuel Substitution
Tetrachloroethene	U210 F001	5.6 mg/kg 0.05 mg/l	Incineration or Fuel Substitution Incineration
Acetone	U002 F003	160 mg/kg 0.59 mg/l	Incineration or Fuel Substitution Incineration
2-Butanone	U159 F005	36 mg/kg 0.75 mg/l	Incineration Incineration
Benzene	U019 F005	36 mg/kg 3.7 mg/kg	Incineration Incineration
Carbon Disulfide	P022 F005	-- 4.81 mg/l	Incineration ¹ Incineration
Chloroform	U044	5.6 mg/kg	Incineration
Methylene Chloride	U080 F001 F002	33 mg/kg 0.96 mg/l 0.96 mg/l	Incineration or Fuel Substitution Incineration Incineration
Toluene	U220 F005	28 mg/kg 0.33 mg/l	Incineration Incineration
Total Xylenes	U239 F003	28 mg/kg 0.15 mg/l	Incineration Incineration

TABLE C-3 (Continued)

**ACTION-SPECIFIC ARARS FOR POTENTIAL CONSTITUENTS
IN WASTES FOR OFF-SITE DISPOSAL OR
ON-SITE PLACEMENT, OPERABLE UNIT NO. 2
SUBSURFACE INTERIM REMEDIAL ACTION***

Constituent***	Potential Waste Code	Treatment Standard**	Best Demonstrated Available Technology (BDAT) Basis for Standard
Trichloroethene	U228 F001 F002	5.6 mg/kg 0.91 mg/l 0.91 mg/l	Incineration Fuel Substitution Incineration Incineration
Vinyl Chloride	U043	33 mg/kg	Incineration or Fuel Substitution
1,1-Dichloroethane	U076	7.2 mg/kg	Incineration
1,2-Dichloroethane	U077	7.2 mg/kg	Incineration
1,2-Dichloroethene ³	U079	33 mg/kg	Incineration
1,1,1-Trichloroethane	U226 F001 F002	5.6 mg/kg 0.41 mg/l 0.41 mg/l	Incineration or Fuel Substitution Incineration Incineration
1,1,2-Trichloroethane	U227	5.6 mg/kg	Incineration
4-methyl-2-pentanone	F003	0.33 mg/l	Incineration
2-Hexanone	--	--	--
Styrene	--	--	--
Ethyl Benzene	F003	0.053 mg/l	Incineration
Multi-Source Leachate ²	F039		

* Land Disposal Restrictions at 40 CFR Part 268. Treatment standards identified are based on the potential hazardous waste code(s) that could be assigned to the parameters of concern.

** Treatment standards are presented for non-wastewaters.

*** RCRA does not include radionuclides as hazardous wastes.

¹ Standard is expressed as a specific technology.

² U.S. EPA added listed hazardous waste code F039 to 40 CFR 261.31 June 1, 1990 (55 FR 22520) and defined it as "leachate resulting from the treatment, storage, or disposal of wastes classified by more than one waste code under [40 CFR Part 261] Subpart D, or from a mixture of wastes classified under Subparts C and D of this part." If this waste code is deemed applicable to a waste, the waste must meet the treatment standards (see 40 CFR Part 268 Tables CCW and CCWE) prior to land disposal.

³ Standard is for the trans isomer.

TABLE C-4
ANALYSIS OF ACTION SPECIFIC ARARS
FOR REMEDIAL ACTIONS AT OPERABLE UNIT 2, SUBSURFACE IW/IRA

Action	Requirement	Prerequisite	Citation	ARAR	Comments
Treatment	Hazardous waste must be treated to meet treatment standard or using specific technology.	Waste must be identifiable as hazardous per 40 CFR Part 261. Movement of hazardous waste (listed or characteristic) from one unit or area of contamination into another. Consolidation within a unit or area of contamination does not trigger applicability.	RCRA Sections 3004(d)(3), (e)(3) 42 U.S.C. 6924(d)(3), (e)(3) 40 CFR 268 (Subpart D)	Applicable	Placement of excavated soil or wastes on site must be transportation off site treated to attain levels achievable by best demonstrated available treatment technologies before being land disposed. If soil and debris are not hazardous waste, EPA policy is that LDR is generally not relevant and appropriate, per EPA 1989d. See also Table C-3.
Hazardous Waste Generation	Standards applicable to generators including waste accumulation, recordkeeping, container labeling, manifesting, etc.	Waste must be identifiable as hazardous per 40 CFR Part 261.	40 CFR Part 262	Applicable	Wastes generated in proposed action may be identifiable as hazardous wastes. Examples may include treatment sludge, excavated soils, used treatment materials. Potentially, R&A if wastes are not hazardous but similar to subwastes.
Hazardous Waste Transportation	Hazardous waste shipment off-site is subject to DOT regulations, manifesting, recordkeeping, and discharge cleanup, etc.	Wastes must be identifiable as hazardous per 40 CFR Part 261.	40 CFR Part 263	Applicable	Wastes identifiable as hazardous must comply with applicable hazardous waste requirements for off-site shipment. See also "Off-Site Treatment, Storage or Disposal."
Excavation/Consolidation	Consolidation in storage piles/storage tanks will trigger storage requirements.	Placement on or in land outside unit boundary or area of contamination will trigger land disposal requirements and restrictions.	40 CFR Part 264 Subpart L/ 40 CFR Part 264 Subpart J	Applicable	RCRA requirements for storage in waste piles or tanks are applicable to interim storage of excavated soil or other materials identifiable as hazardous wastes.

TABLE C-4 (continued)
ANALYSIS OF ACTION SPECIFIC ARARS
FOR REMEDIAL ACTIONS AT OPERABLE UNIT 2, SUBSURFACE IM/IRA

Action	Requirement	Prerequisite	Citation	ARAR	Comments
Treatment or Storage in Tanks	Tanks must have sufficient shell strength (thickness), and, for closed tanks, pressure controls, to assure that they do not collapse or rupture. Waste must not be incompatible with the tank material unless the tank is protected by a liner or by other means. New tanks or components must be provided with secondary containment.	RCRA hazardous waste (listed or characteristic), held for temporary period before treatment, disposal, or storage elsewhere, (40 CFR 264.10) in a tank.	40 CFR 264.190	R&A	Applicable to treatment and storage tanks used in treating or containing water contaminated with hazardous waste. R&A because units used in IM/IRA are excluded under RCRA as wastewater treatment units.
			40 CFR 264.191	R&A	
			40 CFR 264.193	R&A	
			40 CFR 264.194	R&A	
			40 CFR 264.195	R&A	
			40 CFR 264.196	R&A	
			40 CFR 264.197	R&A	

TABLE C-4 (Continued)
ANALYSIS OF ACTION SPECIFIC ARARS
FOR REMEDIAL ACTIONS AT OPERABLE UNIT 2, SUBSURFACE IM/IRA

<u>Action</u>	<u>Requirement</u>	<u>Prerequisite</u>	<u>Citation</u>	<u>ARAR</u>	<u>Comments</u>
Treatment or Storage in Tanks (cont.)	Store ignitable and reactive waste so as to prevent the waste from igniting or reacting. Ignitable or reactive wastes in covered tanks must comply with buffer zone requirements in "Flammable and Combustible Liquids Code," Tables 2-1 through 2-6 (National Fire Protection Association, 1976 or 1981).		40 CFR 264.198	R&A	RCRA container storage requirements are applicable if hazardous wastes are stored, R&A if stored wastes are not RCRA hazardous wastes, but similar to such wastes.
Container Storage (On-Site)	Containers of hazardous waste must be: • Maintained in good condition;	RCRA hazardous waste (listed or characteristic) held for a temporary period before treatment, disposal, or storage elsewhere, in a container. • Compatible with hazardous waste to be stored; and • Closed during storage (except to add or remove waste).	40 CFR 264.171	40 CFR 264.171	Applicable
				40 CFR 264.172	
				40 CFR 264.173	
				40 CFR 264.174	
				40 CFR 264.175	
				40 CFR 264.176	Keep containers of ignitable or reactive waste at least 50 feet from the facility's property line.

TABLE C-4 (Continued)
ANALYSIS OF ACTION SPECIFIC ARARS
FOR REMEDIAL ACTIONS AT OPERABLE UNIT 2, SUBSURFACE IM/IRA

Action	Requirement	Prerequisite	Citation	ARAR	Comments
Container Storage (On-Site) (cont)	Keep incompatible materials separate. Incompatible materials stored near each other by a dike or other barrier.		40 CFR 264.177		Applicable to the off-site treatment, storage, or disposal of wastes generated during on-site remedial actions.
	At closure, remove all hazardous waste and residues from the containment system, and decontaminate or remove all containers, liners.		40 CFR 264.178		
Off-Site Treatment, Storage or Disposal	In the case of any removal or remedial action involving the transfer of any hazardous substance or pollutant or contaminant off-site, such hazardous substance or pollutant or contaminant shall only be transferred to a facility which is operating in compliance with section 3004 and 3005 of the Solid Waste Disposal Act (or where applicable, in compliance with the Toxic Substances Control Act or other applicable Federal law) and all applicable State requirements. Such substance or pollutant or contaminant may be transferred to a land disposal facility only if it can be determined that both of the following requirements are met:	SARA section 121(d)(2)(C)	40 CFR 264.177	Applicable	

- The unit to which the hazardous substance or pollutant or contaminant is transferred is not releasing any hazardous waste, or constituent thereof, into the ground water or surface water or soil.

TABLE C-4 (Continued)
ANALYSIS OF ACTION SPECIFIC ARARS
FOR REMEDIAL ACTIONS AT OPERABLE UNIT 2, SUBSURFACE IM/IRA

<u>Action</u>	<u>Requirement</u>	<u>Prerequisite</u>	<u>Citation</u>	<u>ARAR</u>	<u>Comments</u>
Off-site Treatment Storage or Disposal (cont.)	All such releases from other units at the facility are being controlled by a corrective action program approved by the Administrator under subtitle C of the Solid Waste Disposal Act.	NPDES permit requirements apply to discharging water into surface water bodies.	40 CFR 122 and 40 CFR 125	Applicable	The IM/IRA includes treatment of extracted ground water in the South Walnut Creek treatment system prior to discharge off site. The South Walnut Creek treatment system is a part of another IM/IRA. Effluent ARARs identified in Table C-1 will be imposed for treatment of ground water resulting from this IM/IRA.
Discharge of Water into Surface Water Bodies	All surface water discharges must be in compliance with recently promulgated Colorado Stream Discharge Standards		5 CCR 1002-8	Applicable	The IM/IRA includes treatment of extracted ground water in the South Walnut Creek treatment system prior to discharge off site. The South Walnut Creek treatment system is a part of another IM/IRA. Effluent ARARs identified in Table C-1 will be imposed for treatment of ground water resulting from this IM/IRA.
Discharge of Treatment System Effluent	Use of best available technology (BAT) economically achievable is required to control toxic and non-conventional pollutants. Use of best conventional pollutant control technology (BCT) is required to control conventional pollutants. Technology-based Limitations may be determined on a case-by-case basis.		40 CFR 122.44	Applicable	The IM/IRA includes treatment of extracted ground water in the South Walnut Creek treatment system prior to discharge off site. The South Walnut Creek treatment system is a part of another IM/IRA. Effluent ARARs identified in Table C-1 will be imposed for treatment of ground water resulting from this IM/IRA.
Emission of Air Pollutants	Use of emission control technologies may be required to prevent emission of criteria pollutants hazardous air pollutants, air toxics.			5 CCR 1001-1 through 8	Applicable See Table C-6

TABLE C-4 (continued)
ANALYSIS OF ACTION SPECIFIC ARARS
FOR REMEDIAL ACTIONS AT OPERABLE UNIT 2, SUBSURFACE IM/IRA

<u>Action</u>	<u>Requirement</u>	<u>Prerequisite</u>	<u>Citation</u>	<u>ARAR</u>	<u>Comments</u>
Emission of Radionuclide Air Pollutants	Monitoring and control DOE facilities of radionuclides	A statement of environmental impact is required. Establishes provisions applicable to and binding on all federal agencies for implementing the procedural requirements of the National Environmental Policy Act (NEPA). Includes procedures for planning (Part 1501), preparing environmental impact statements (part 1502), decision-making (Part 1505), and compliance (Part 1507).	40 CFR 61 Subpart H	Applicable	Applicable fenceline assessment of dose-equivalent to public. See Table C-6.

EPA, CDH, and DOE have reached agreement on the applicability of NEPA to RCRA/CERCLA actions.

TABLE C-5
ANALYSIS OF LOCATION-SPECIFIC ARARs
FOR REMEDIAL ACTIONS AT OPERABLE UNIT NO. 2, SUBSURFACE IM/IRA

<u>LOCATION</u>	<u>CITATION</u>	<u>REQUIREMENT</u>	<u>ARAR TYPE*</u>	<u>COMMENTS</u>
Fault zones	40 CFR 264.18(a)	RCRA regulations specify that hazardous waste treatment, storage, or disposal must not take place within 200 feet of a Holocene fault.	R&A	No faults displaced during Holocene times exist within 200 feet of this site.
Flood plain	40 CFR 264.18(b)	Any RCRA treatment, storage, or disposal facility which lies within a 100-year floodplain must be designed, constructed and operated to avoid washout.	R&A	This site is not located within a 100-year floodplain.
Siting of Hazardous Waste Disposal Sites	Colorado Hazardous Waste Act, Sections 25-15-101, 203, 208, 302	Outlines siting criteria for hazardous waste disposal sites.	R&A	Although the proposed action involves the treatment of water rather than disposal of hazardous wastes, these criteria are considered in the siting of the unit.
Siting of Wastewater Treatment Facilities	Colorado Water Quality Control Act Section 25-8-202 and 25-8-702	CDH Water Quality Control Division must approve locations of wastewater treatment facilities.	R&A	Applicable to domestic wastewater treatment facilities, relevant and appropriate to the proposed action.
Siting within an area where action may cause irreparable harm, loss, or destruction of significant articles.	36 CFR Part 65, National Historic Preservation Act	Planned actions must avoid threatening significant scientific, prehistorical, historical, or archeological data.	Applicable	Proposed activities will not threaten significant scientific, historic, prehistoric, or archeological artifacts.
Siting on or near historic property owned or controlled by Federal agency.	36 CFR Part 800, National Historic Preservation Act	Action to preserve historic properties; planning of action to minimize harm to National Historic Landmarks, included in or eligible for the National Register of Historic Places	Applicable	Proposed activities will not disturb known or suspected historic sites. Refer to Sections 4.3.3.3, 4.4.3.3, and 4.5.3.3.

TABLE C-5 (continued)
ANALYSIS OF LOCATION-SPECIFIC ARARS
FOR REMEDIAL ACTIONS AT OPERABLE UNIT NO. 2, SUBSURFACE IM/IRA

<u>LOCATION</u>	<u>CITATION</u>	<u>REQUIREMENT</u>	<u>ARAR TYPE*</u>	<u>COMMENTS</u>
Siting on critical habitat of endangered or threatened species.	50 CFR Parts 200, 402, 33 CFR Parts 320-330	Action to conserve endangered or threatened species.	Applicable	Proposed activities will not adversely affect endangered or threatened species. Refer to Sections 4.3.3.3, 4.4.3.3, and 4.5.3.3.
Wetlands	40 CFR Part 6, Appendix A	Actions must minimize the destruction, loss, or degradation of wetlands, as defined by Executive Order 11990, Section 7.	Applicable	Proposed activities will not adversely affect wetlands. Refer to Sections 4.3.3.3, 4.4.3.3, and 4.5.3.3.
Area affecting stream or river.	40 CFR 6.302	Action must protect fish or wildlife.	Applicable	Proposed action will be protective of potentially affected fish and wildlife resources. Refer to Sections 4.3.3.3, 4.4.3.3, and 4.5.3.3.

* The ARAR types designated reflect the application status of each requirement when preparation of this IM/IRA began. In response to these requirements, investigations were performed and the results are indicated in the Comments column which reflect the lack of any location-specific ARAR requirements which would preclude the proposed action.

TABLE C-6
PROPOSED ARARs/TBCs FOR CONSTITUENTS IN IM/IRA AIR EMISSIONS

Constituent	Proposed ARAR	Proposed TBC	Reference	Comments
Beryllium		10 g	AQCC Regulation 8	Measured in any 24 hour period.
Benzene		500 ppm	AQCC Regulation 8	*
Mercury		2300 g	AQCC Regulation 8	Measured in any 24 hour period.
Lead	1.5 $\mu\text{g}/\text{m}^3$		AQCC Regulation 8	Average in any one month period.
Vinyl Chloride		10 ppm	AQCC Regulation 8	*
Radionuclides	10 mrem/yr		40 CFR Part 61 Subpart H	Dose equivalence calculated for fenceline exposure for entire plant.

* No source type applies to or closely approximates the proposed actions. Standard shown has applied to a majority of the sources.

APPENDIX D

GEOLOGIC LOGS

**SUBSURFACE IM/IRA
OPERABLE UNIT NO. 2**

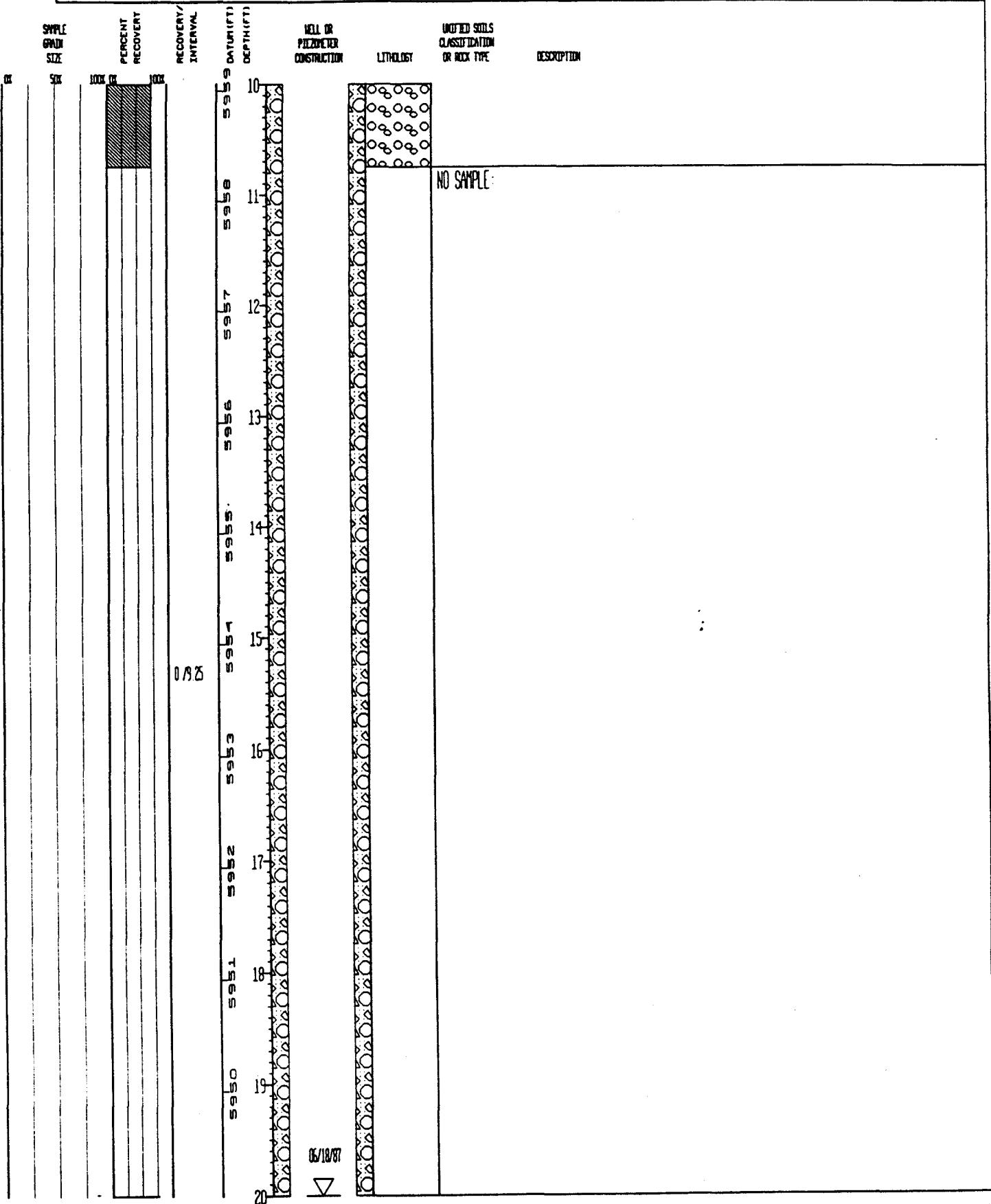
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NORTH: 749130 AREA: 903 PSD CASTING DIAMETER (IN): 2 10 GEOLOGIST: LAW/DCB
EAST: 2086249 LOCATOR NUMBER: M9 BOREHOLE DIAMETER (IN): 4 DATE DRILLED: 07/08/87
REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.

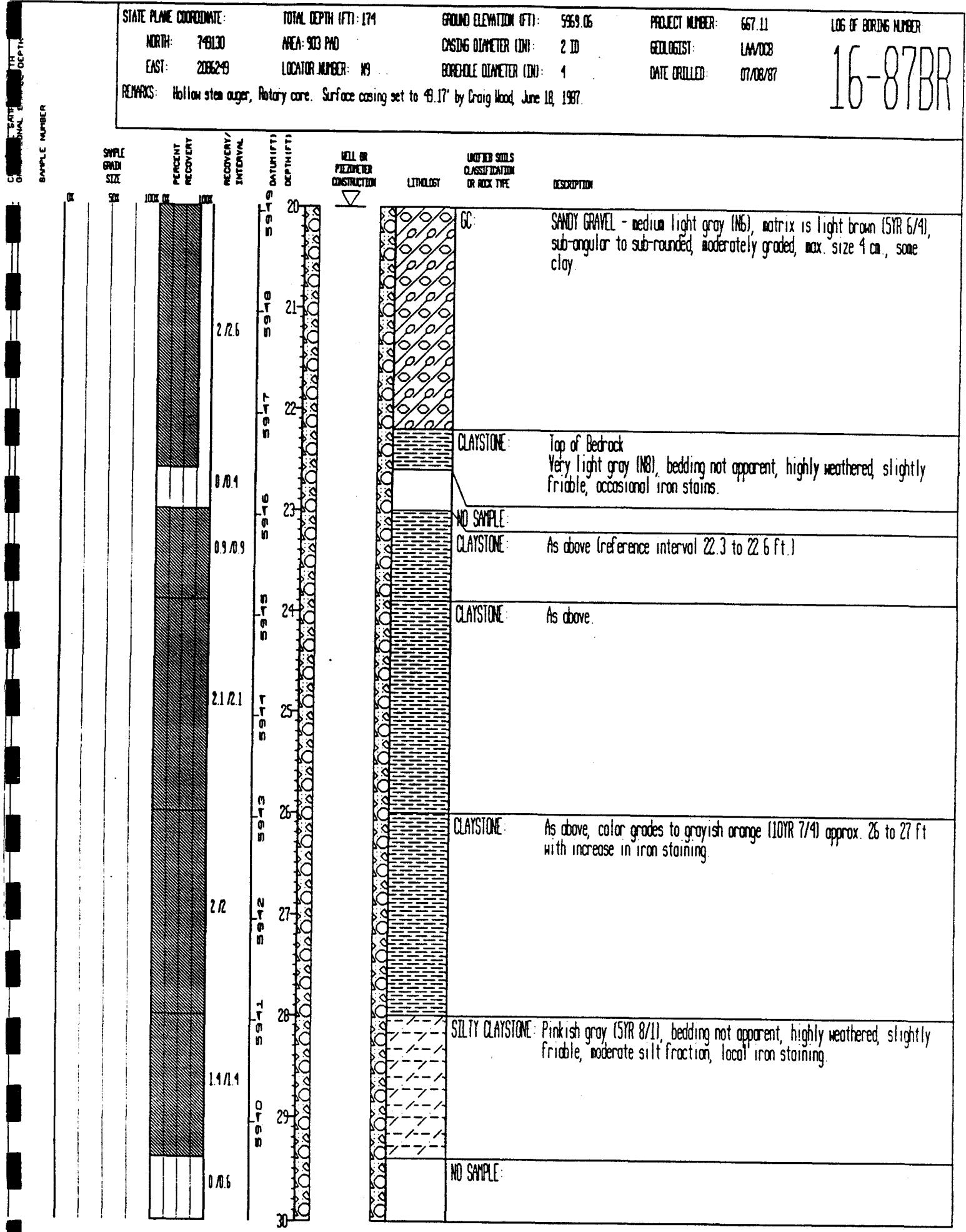
16-87BR

16-87BR

SAMPLE GRADE SIZE SIZE	PERCENT RECOVERY	RECOVERY/ INTERVAL	WELL OR PIEZOMETER CONSTRUCTION	DEPTH (FT) DEPTHS (FT)	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
	100%			595.9	GM:		SILTY SANDY GRAVEL - predom. med. gray (N5), angular to rounded, well graded, granules to 6 cm., sand med. to coarse grained, mod. well graded, some root material, some clay.
		1.05 / 2		595.8	GM:		Same as above.
		1.01 / 1.61		595.7	NO SAMPLE:		
		0.03		595.6	GM:		GRAVEL - as above, max. size 6 cm., silty clay matrix est. plast. low to mod., grayish orange to white (10YR 7/4) to (N9), some caliche
		1.6 / 0.5		595.5	SC:		Sandy Clay & Caliche - lt. brown (SYR 5/6) to white (N9), est. plast. low, sand VFG to coarse, well graded.
		1.05 / 2.05		595.3	GM		Silty Gravel & Sand - gravel lt. gray (N7) to lt. olive gray (SY 5/6), angular to sub-rounded, sand VFG to granules, well graded, coarse to fine graded, trace CaCO ₃ .
		0.5 / 0.9		595.2	NO SAMPLE:		
		0.11		595.1	GW		GRAVEL - no predom. color, angular to sub-rounded, well graded, gravel to 3 cm., some sand, well graded, VFG to granules, trace silt and clay.
		1.3 / 1.5		595.0			

STATE PLANE COORDINATE: TOTAL DEPTH (FT): 174 GROUND ELEVATION (FT): 5559.06 PROJECT NUMBER: 667.11 LOG OF BORING NUMBER:
 NORTH: 749130 AREA: 903 PAD CASING DIAMETER (IN): 2 1/2 GEOLOGIST: LAV/008
 EAST: 2086249 LOCATOR NUMBER: 19 BORHOLE DIAMETER (IN): 4 DATE DRILLED: 07/08/87
 REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.
 16-87BR





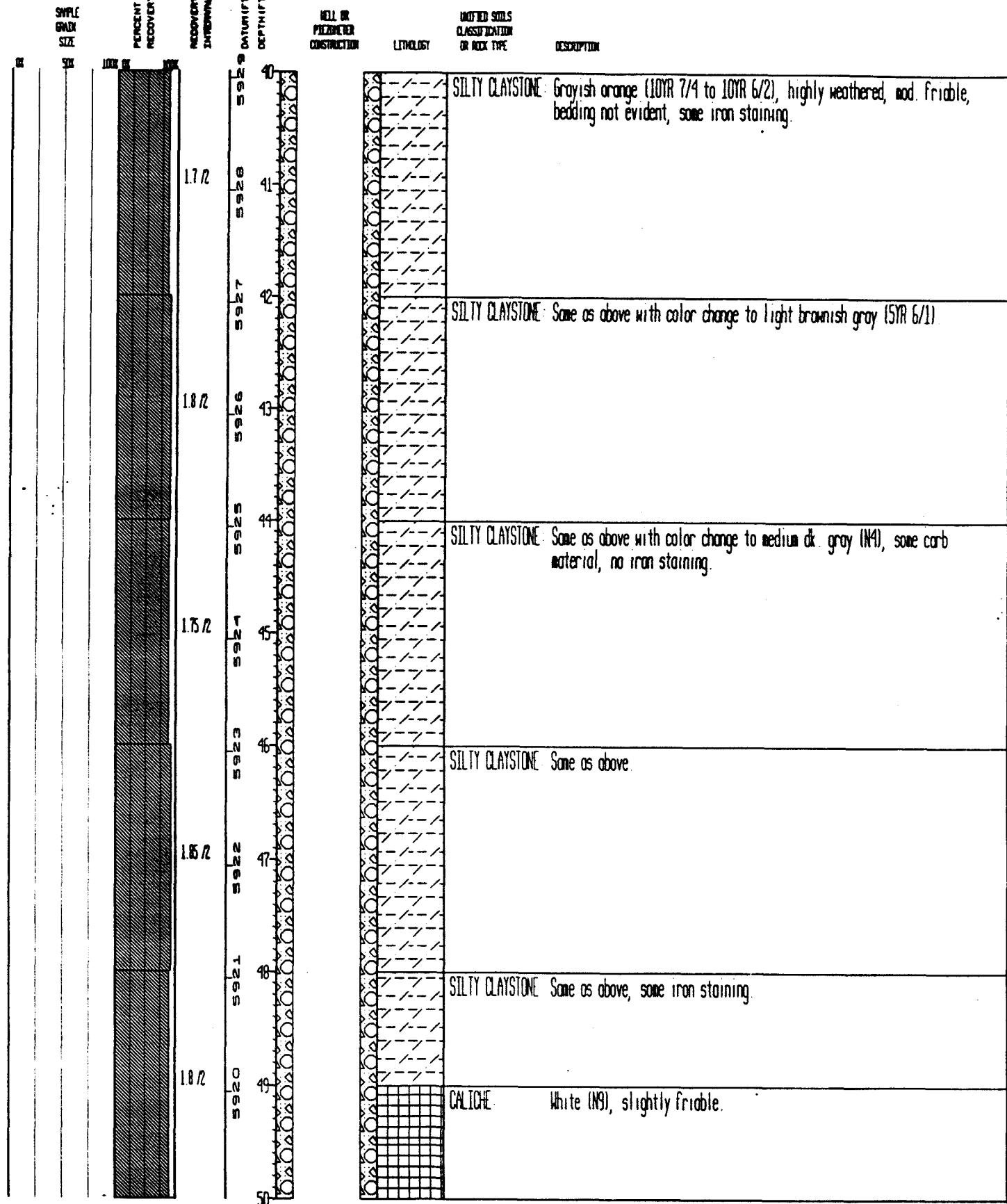
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NORTH: 749130	AREA: 903 PRO		CASING DIAMETER (IN):	2 IN	GEOLOGIST:	LAW/DCB	
EAST: 2086249	LOCATOR NUMBER: N8		BOREHOLE DIAMETER (IN):	1	DATE DRILLED:	07/08/87	
REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.							

16-87BR

SAMPLE NUMBER	SAMPLE SIZE IN.	PERCENT RECOVERY	RECOVERY/ INTERVAL	ROLL OR PILOT HOLE CONSTRUCTION	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION	
							DEPTH (FT)	593.9 (MATERIAL) DEPTH (FT)
1	1.00	100%	1.6 / 1.5			SILTY CLAYSTONE	Very pale orange (10YR 8/2), bedding not evident, highly weathered, mod. friable, some iron staining becomes mod. yellowish brown (10YR 5/4) toward bottom of interval.	30
			0.10 / 0.5			NO SAMPLE		31
			1.8 / 2			SILTY CLAYSTONE	Same as above, heavy ironization and abundant black mineralization near top of interval.	32
			1.05 / 2			SILTY CLAYSTONE	Very lt. gray to grayish orange (10YR 7/4 to NB), highly weathered, mod friable, bedding not evident, some iron staining.	33
			1.15 / 2			SILTY CLAYSTONE	Same as above.	34
			1.15 / 2			SILTY CLAYSTONE	Same as above.	35
			1.15 / 2			SILTY CLAYSTONE	Same as above.	36
			1.15 / 2			SILTY CLAYSTONE	Same as above.	37
			1.15 / 2			SILTY CLAYSTONE	Same as above.	38
			1.15 / 2			SILTY CLAYSTONE	Same as above.	39

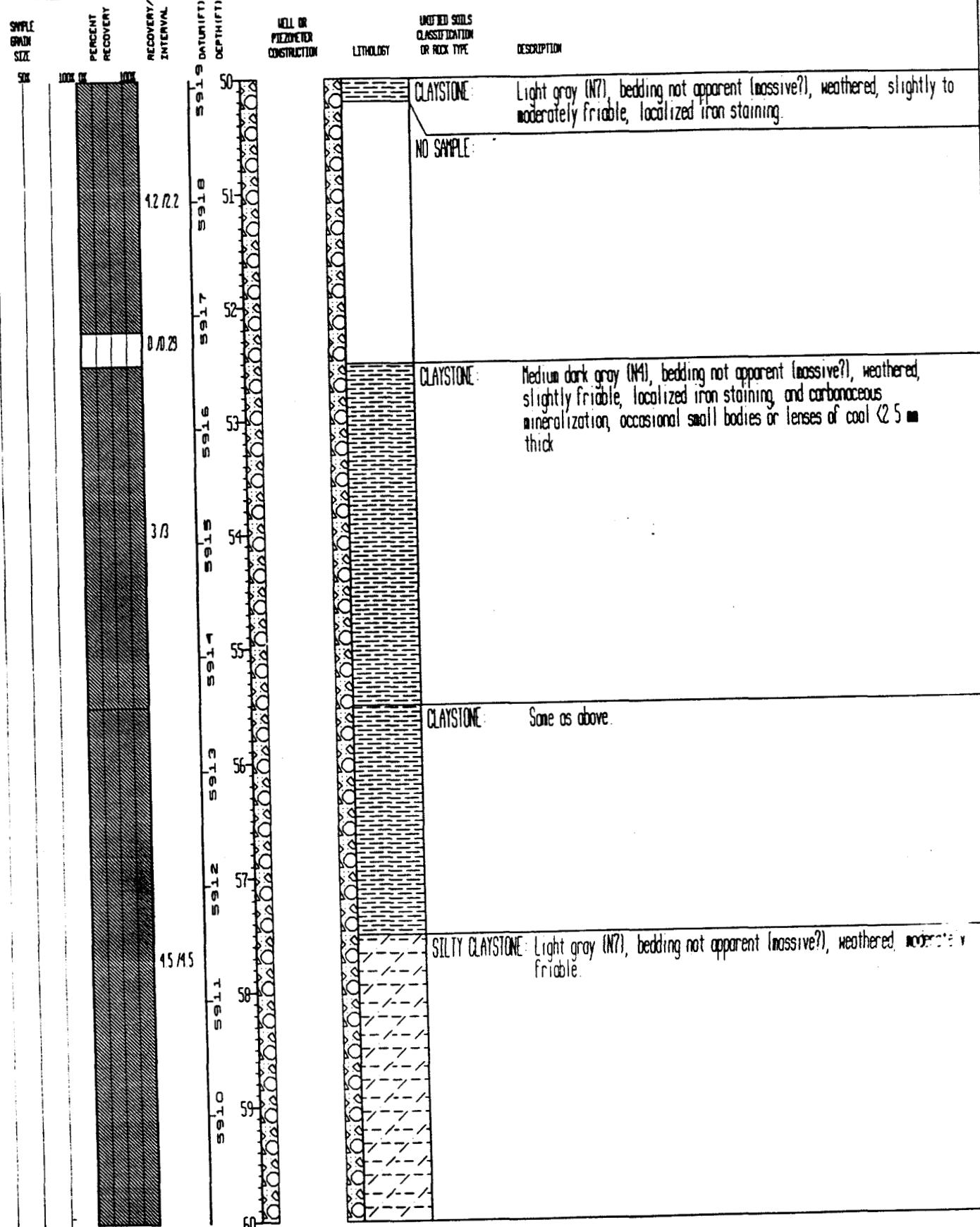
STATE PLANE COORDINATE:	TOTAL DEPTH (FT):	174	GROUND ELEVATION (FT):	5959.06	PROJECT NUMBER:	667.11	LOG OF BORING NUMBER:
NORTH: 748130	AREA: 903 PRO		CASTING DIAMETER (IN):	2 IN	GEODETIST:	LAW/OCB	
EAST: 2056249	LOCATOR NUMBER: N8		BORHOLE DIAMETER (IN):	1	DATE DRILLED:	07/08/87	
REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.							

CIRCULAR SAMPLE DEPTH
 GRADUATIONAL SAMPLE DEPTH
 SAMPLE NUMBER



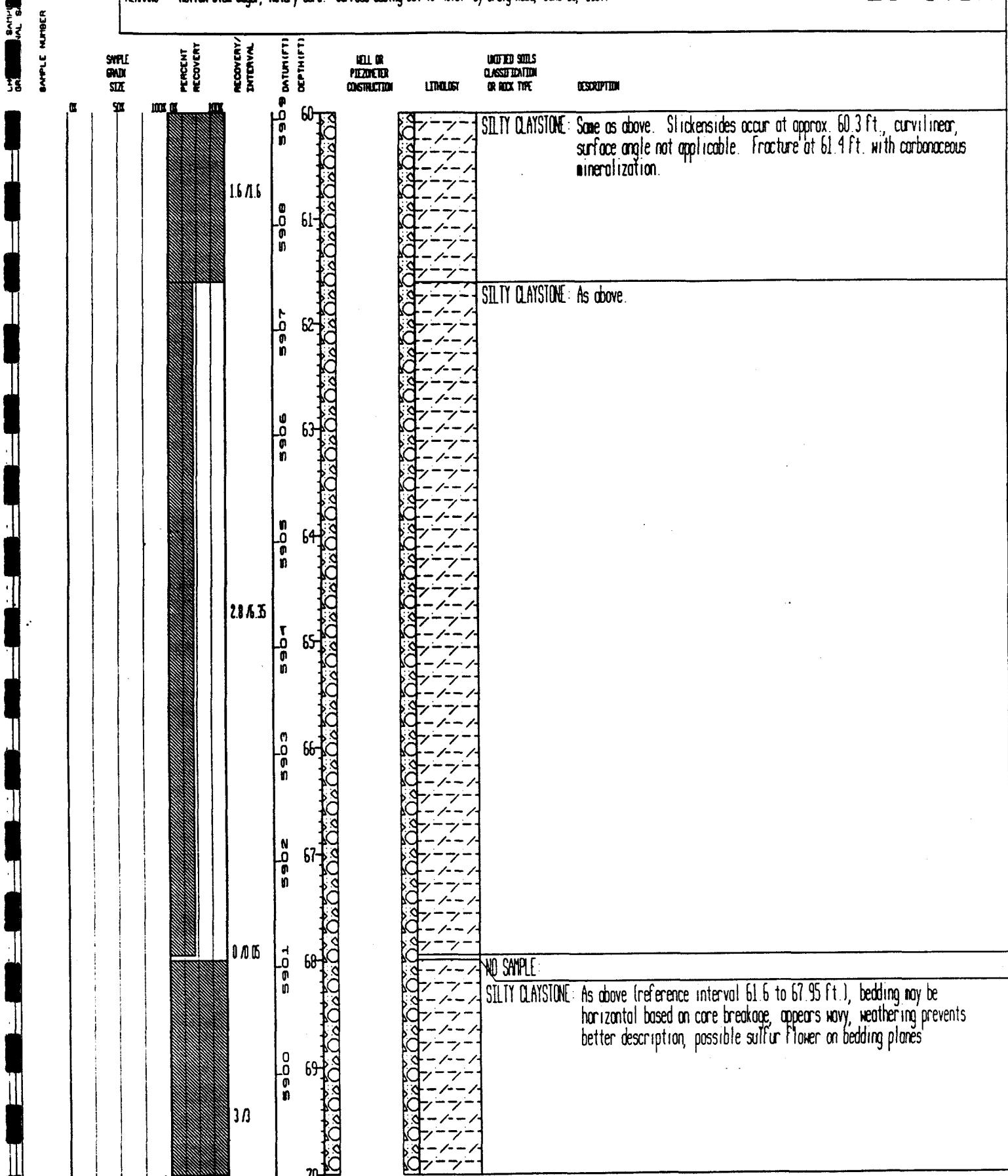
STATE PLANE COORDINATE:	TOTAL DEPTH (FT):	174	GROUND ELEVATION (FT):	5969.06	PROJECT NUMBER:	667.11	LOG OF BORING NUMBER:
NORTH: 749130	AREA: 903 PAO		CASING DIAMETER (IN):	2 ID	GEODETIST:	LAW/CS	
EAST: 2086249	LOCATOR NUMBER: 19		BOREHOLE DIAMETER (IN):	4	DATE DRILLED:	07/08/87	
REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.							

CRESTLINE SAMPLES
GRADATIONAL SAMPLE DEPTH
SAMPLE NUMBER



STATE PLANE COORDINATE:	TOTAL DEPTH (FT):	GROUND ELEVATION (FT):	PROJECT NUMBER:	LOG OF BORING NUMBER:
NORTH: 749130	AREA: 903 PSD	CASING DIAMETER (IN): 2 ID	GEOLOGIST:	LA/008
EAST: 2086249	LOCATOR NUMBER: 19	BOREHOLE DIAMETER (IN): 4	DATE DRILLED:	07/08/87
REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.				

16-87BR



SAMPLE NUMBER	STATE PLANE COORDINATE NORTH: 749130 EAST: 2086249	TOTAL DEPTH (FT): 174 AREA: 903 PAD LOCATOR NUMBER: NS	GROUND ELEVATION (FT): 5969.06 CASING DIAMETER (IN): 2 ID BOREHOLE DIAMETER (IN): 1	PROJECT NUMBER: 667.11 GEOLOGIST: LAV/DCB DATE DRILLED: 07/08/87	LOG OF BORING NUMBER 16-87BR	
					CHIEF AMPLITUDE SAMPLE DEPTH	OPTIONAL SAMPLE NUMBER
REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Hood, June 18, 1987.						
SAMPLE GRAN SIZE	PERCENT RECOVERY	RECOVERY/ INTERVAL	HULL OR PIEZOMETER CONSTRUCTION	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
500	100	0.1 / 1		70		SILTY CLAYSTONE: As above.
200	100	0.1 / 1		71		SILTY CLAYSTONE: As above.
200	100	0.1 / 1		72		SILTY CLAYSTONE: As above. Slickenside at 75 ft. 60 degree angle, coal body approx. 15 cm. in thickness also occurs at this depth and angle. At 75 ft. interval grades to silty claystone, yellowish gray (SY 7/2), bedding not apparent (massive?).
32.02	100	0.08		73		
				74		
				75		
				76		CLAYSTONE: At 76 ft. interval grades to interbedded claystone and siltstone, medium gray (N5) and light gray (N7) respectively, bedding is horizontal, interfingering very fine sandstone occurs occasionally in this interval, weathered, moderately friable, carbonaceous. Interval grades to siltstone, light gray (N7), bedding not apparent (massive?), weathered, nod friable.
				77		
				78		
				79		
				80		NO SAMPLE

STATE PLANE COORDINATE: TOTAL DEPTH (FT): 174 GROUND ELEVATION (FT): 569.06 PROJECT NUMBER: 667.LI LOG OF BORING NUMBER
 NORTH: 749130 AREA: 903 PWD CASING DIAMETER (IN): 2 1/2 GEOLOGIST: LAW/CR DATE DRILLED: 07/08/87
 EAST: 2086249 LOCATOR NUMBER: N9 BOREHOLE DIAMETER (IN): 4
 REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.

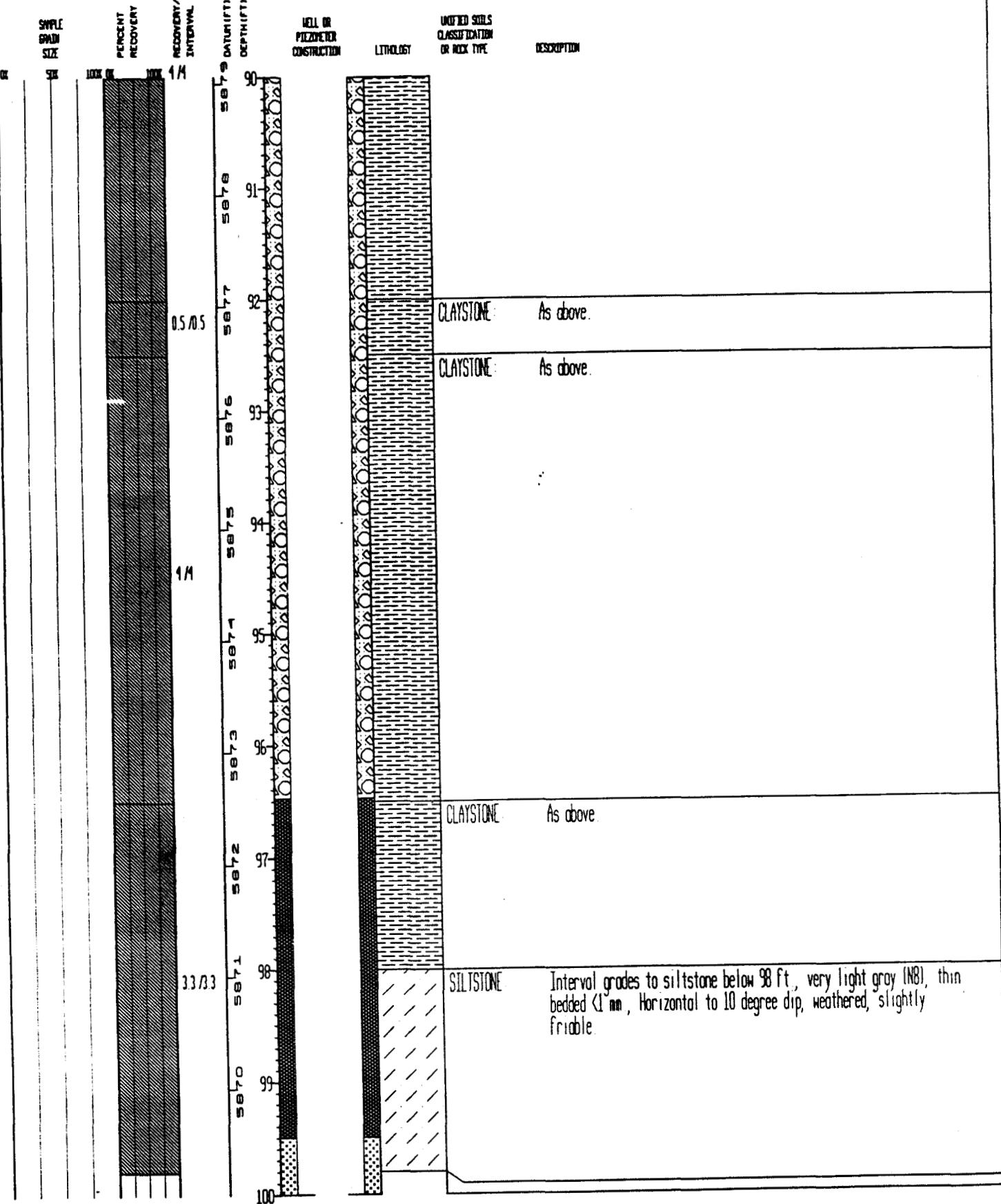
16-87BR

COMPLETED SAMPLE DEPTH
SAMPLE NUMBER

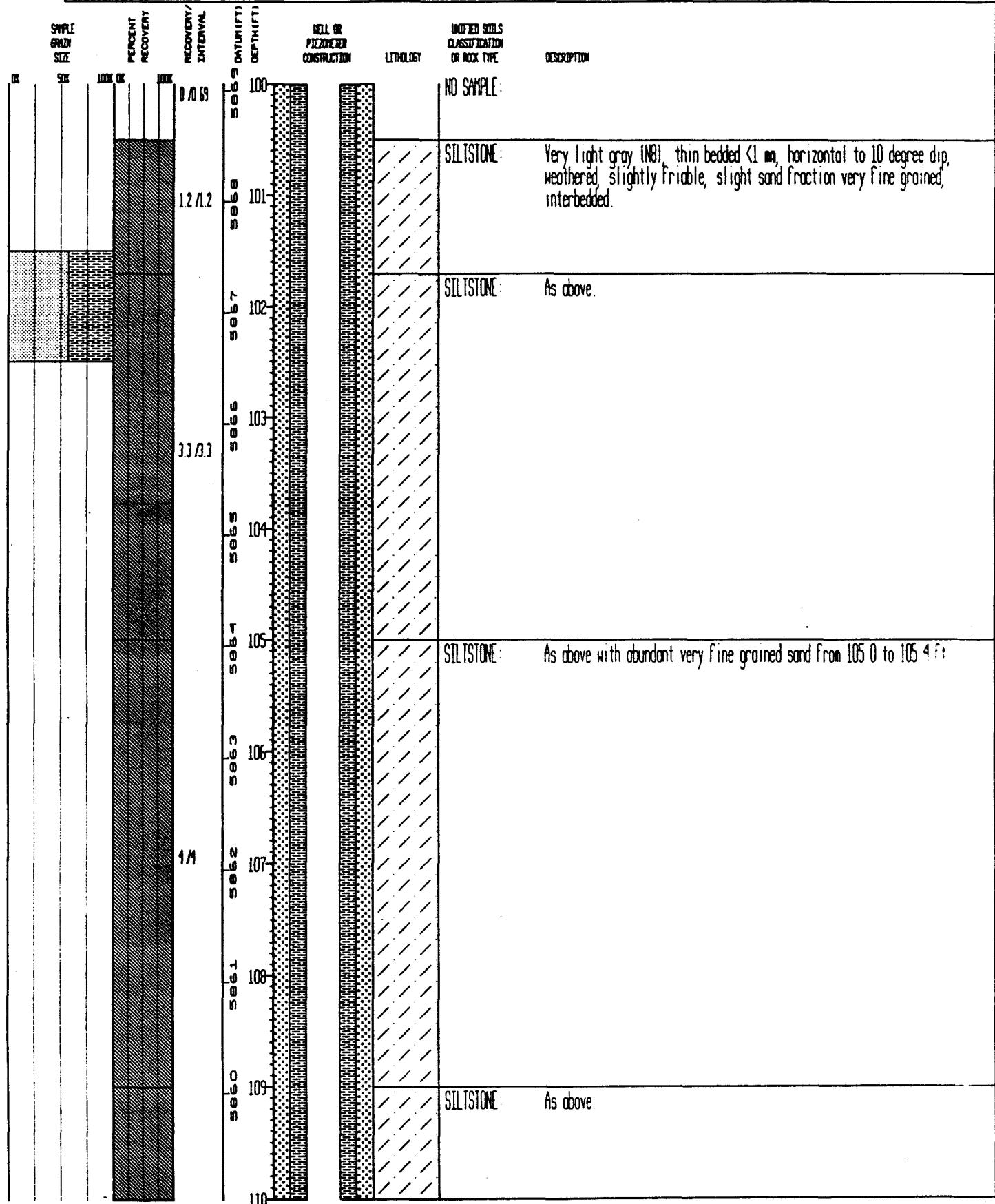
SAMPLE BONN SIZE	PERCENT RECOVERY	RECOVERY/ INTERVAL	MILL OR PIEZOMETER CONSTRUCTION	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
6	100%	100%			CLAYSTONE	Medium light gray (N6), bedding not apparent (massive?), weathered, slightly friable, slight silt fraction and occasional short intervals of silt.
1/4					CLAYSTONE	Same as above.
1/4					CLAYSTONE	As above.

STATE PLANE COORDINATE:	TOTAL DEPTH (FT):	174	GROUND ELEVATION (FT):	5969.06	PROJECT NUMBER:	667.11	LOG OF BORING NUMBER:
NORTH: 749130	AREA: 903 PAD		CASING DIAMETER (IN):	2 ID	GEODETIST:	LAW/03	
EAST: 2086249	LOCATOR NUMBER: N9		BORHOLE DIAMETER (IN):	4	DATE DRILLED:	07/08/87	
REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.							

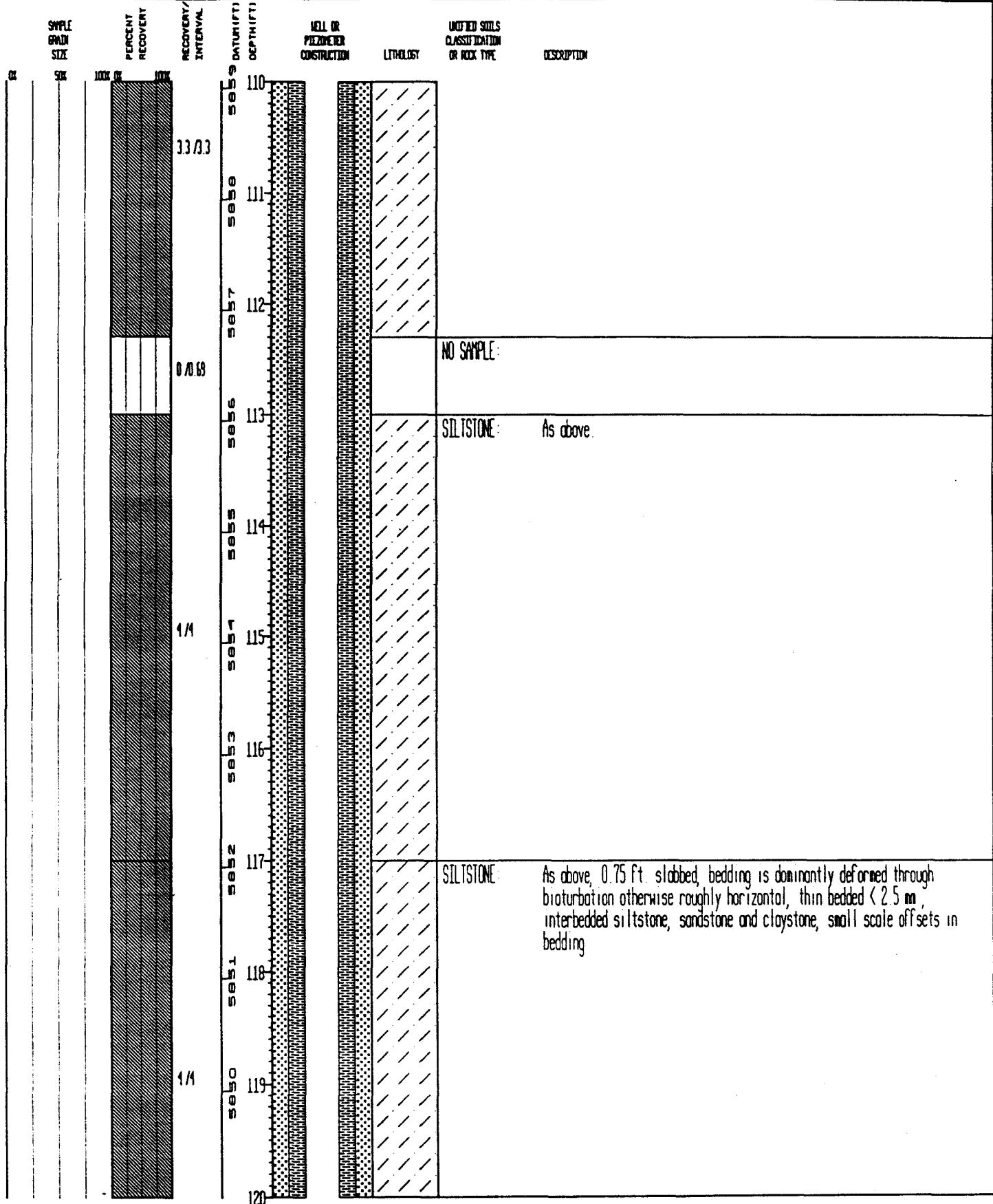
CHARTS
SAMPLE DEPTH
GRADATIONAL SAMPLE NUMBER



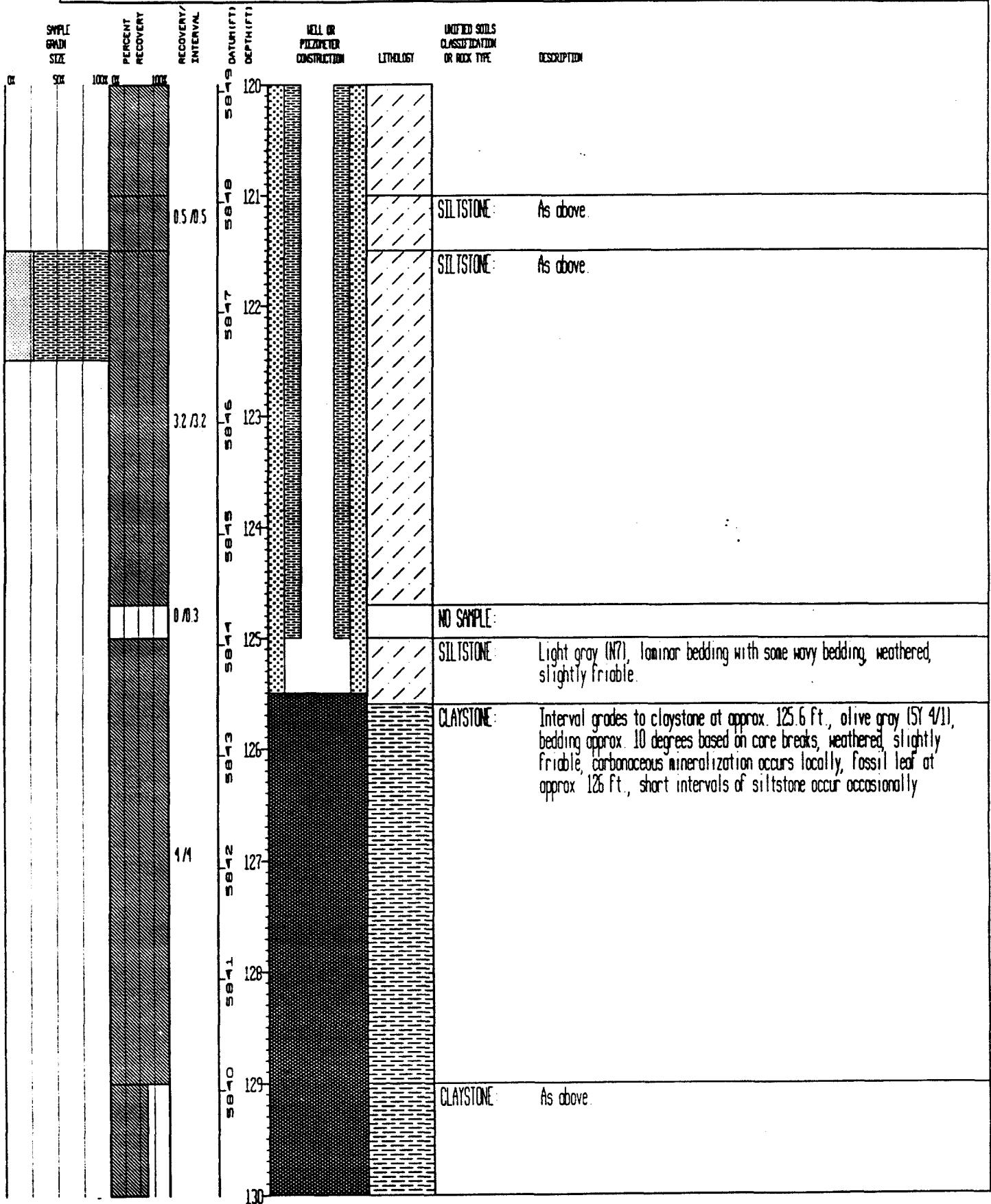
STATE PLANE COORDINATE:	TOTAL DEPTH (FT):	174	GROUND ELEVATION (FT):	5969.06	PROJECT NUMBER:	667.11	LOG OF BORING NUMBER:
NORTH: 749130	AREA: 903 PAD		CASING DIAMETER (IN):	2 ID	GEOLOGIST:	LAW/03	
EAST: 2086249	LOCATOR NUMBER: 16		BOREHOLE DIAMETER (IN):	4	DATE DRILLED:	07/08/97	
REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.							



STATE PLANE COORDINATE: TOTAL DEPTH (FT): 174 GROUND ELEVATION (FT): 5959.06 PROJECT NUMBER: 657.11 LOG OF BORING NUMBER:
 NORTH: 749130 AREA: 903 PHD CASING DIAMETER (IN): 2 ID GEOLOGIST: LAW/DCB
 EAST: 2085249 LOCATOR NUMBER: N9 BOREHOLE DIAMETER (IN): 1 DATE DRILLED: 07/08/87
 REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.
 16-87BR



STATE PLANE COORDINATE:	TOTAL DEPTH (FT):	174	GROUND ELEVATION (FT):	5569.06	PROJECT NUMBER:	667.11	LOG OF BORING NUMBER:
NORTH: 749130	AREA: 903 PMD		CASING DIAMETER (IN):	2 ID	GEOLIST:	LAW/DB	
EAST: 2086249	LOCATOR NUMBER: N9		BOREHOLE DIAMETER (IN):	1	DATE DRILLED:	07/08/87	
REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.							



STATE PLANE COORDINATE:	TOTAL DEPTH (FT): 174	GROUND ELEVATION (FT): 5969.06	PROJECT NUMBER: 667.11	LOG OF BORING NUMBER:
NORTH: 749130	AREA: 903 PMD	CASING DIAMETER (IN): 2 ID	GEOLOGIST: LAA/DCB	
EAST: 2055249	LOCATOR NUMBER: N9	BORHOLE DIAMETER (IN): 4	DATE DRILLED: 07/08/87	16-87BR
REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Hood, June 18, 1987.				

CHALMERS ANGLE SAMPLE DEPTH

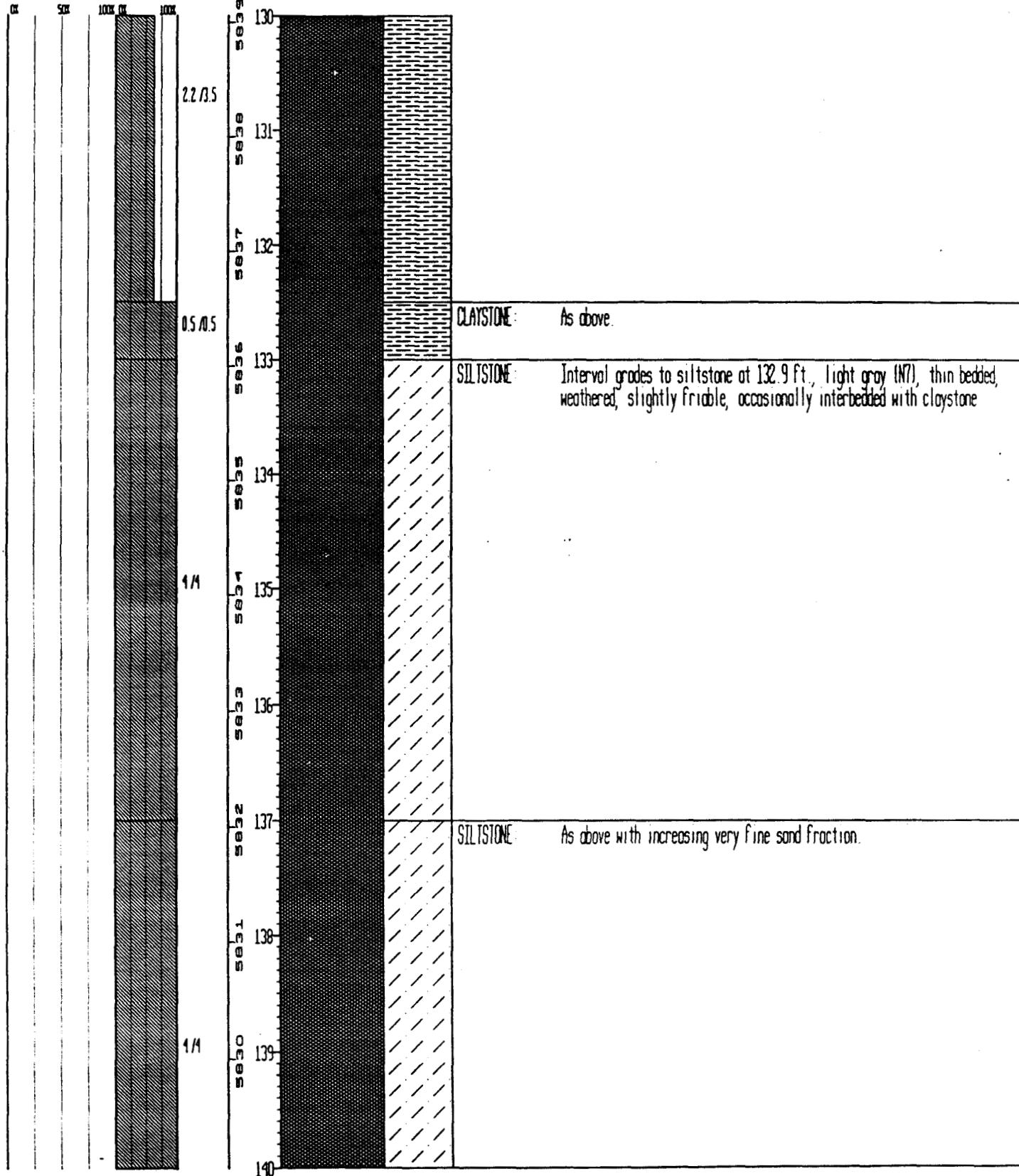
SAMPLE NUMBER

SAMPLE
GRAIN
SIZEPERCENT
RECOVERYRECOVERY/
INTERVAL5839 DATUM (FT)
DEPTH (FT)WELL OR
PILELINE FOR
CONSTRUCTION

LITHOLOGY

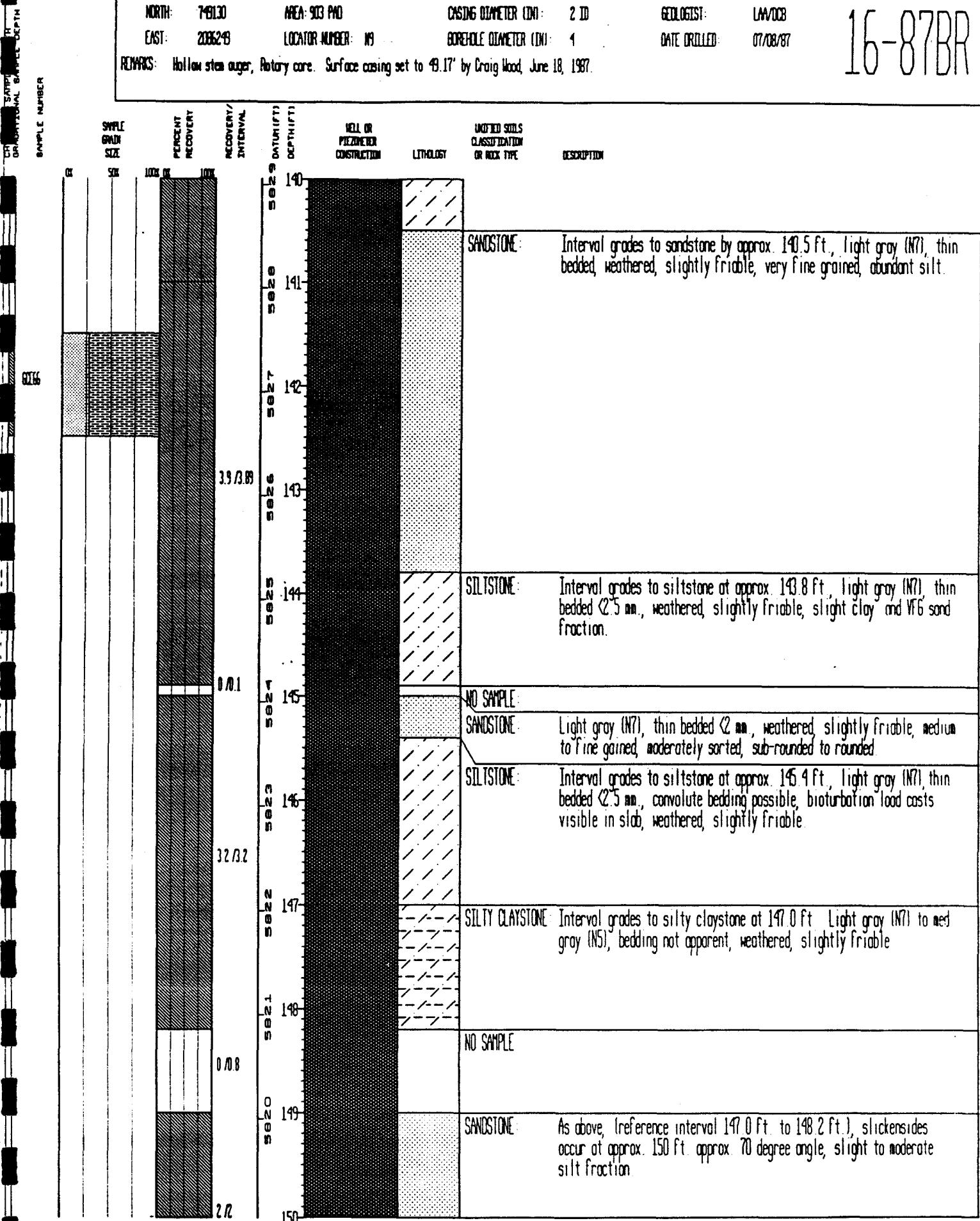
UNIFIED SOILS
CLASSIFICATION
OR ROCK TYPE

DESCRIPTION



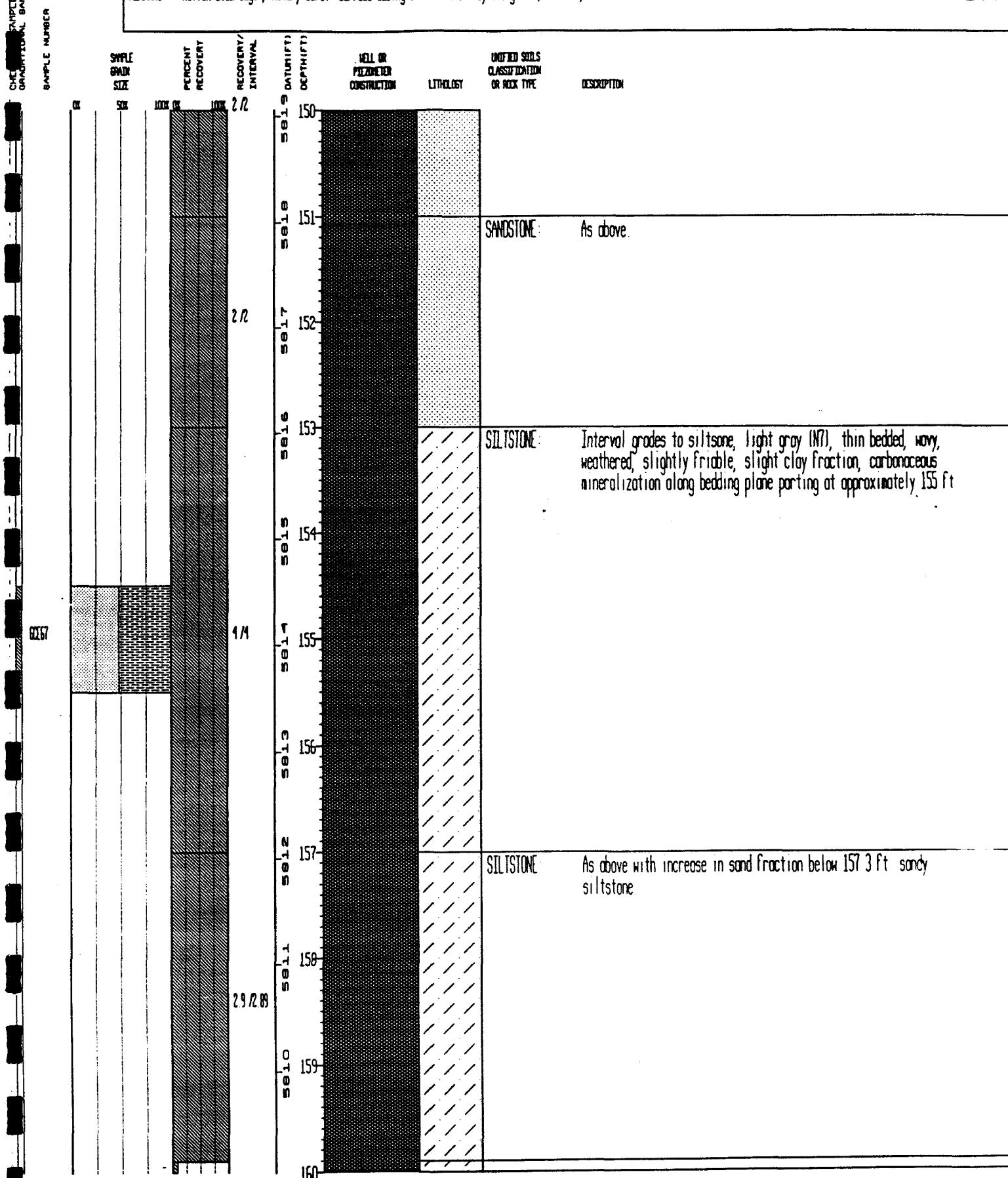
STATE PLANE COORDINATE:	TOTAL DEPTH (FT): 174	GROUND ELEVATION (FT): 5969.06	PROJECT NUMBER: 667.11	LOG OF BORING NUMBER:
NORTH: 749130	AREA: 903 PAD	CASING DIAMETER (IN): 2 ID	GEOLOGIST: LMA/08	
EAST: 2055248	LOCATOR NUMBER: 16	BOREHOLE DIAMETER (IN): 1	DATE DRILLED: 07/08/87	
REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.				

16-87BR

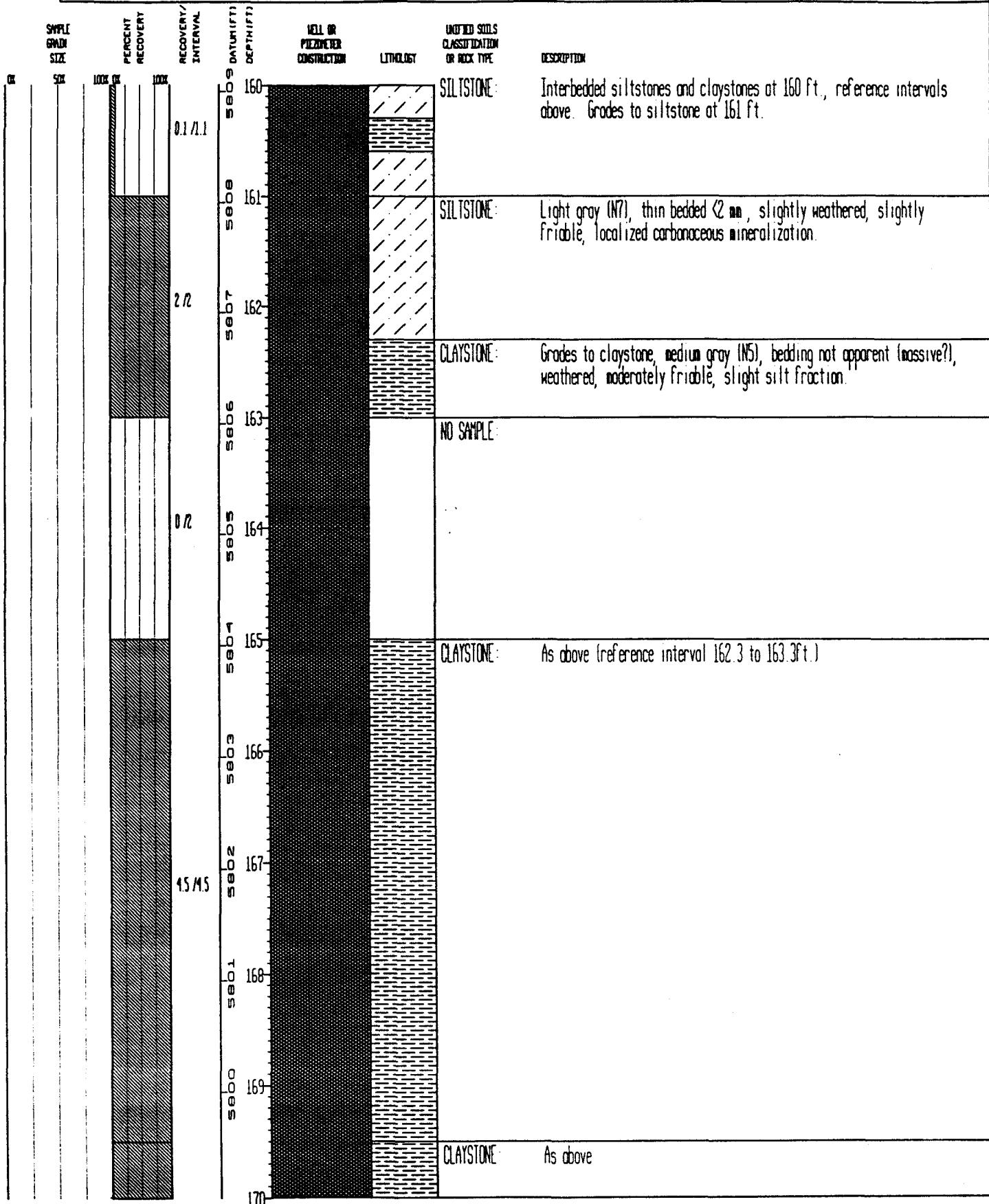


STATE PLANE COORDINATE:	TOTAL DEPTH (FT): 174	GROUND ELEVATION (FT): 599.06	PROJECT NUMBER: 667.11	LOG OF BORING NUMBER:
NORTH: 749130	AREA: 903 PHD	CASING DIAMETER (IN): 2 1/2	GEOLOGIST: LMA/DCB	
EAST: 2086249	LOCATOR NUMBER: M9	BOREHOLE DIAMETER (IN): 4	DATE DRILLED: 07/08/87	
REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.				

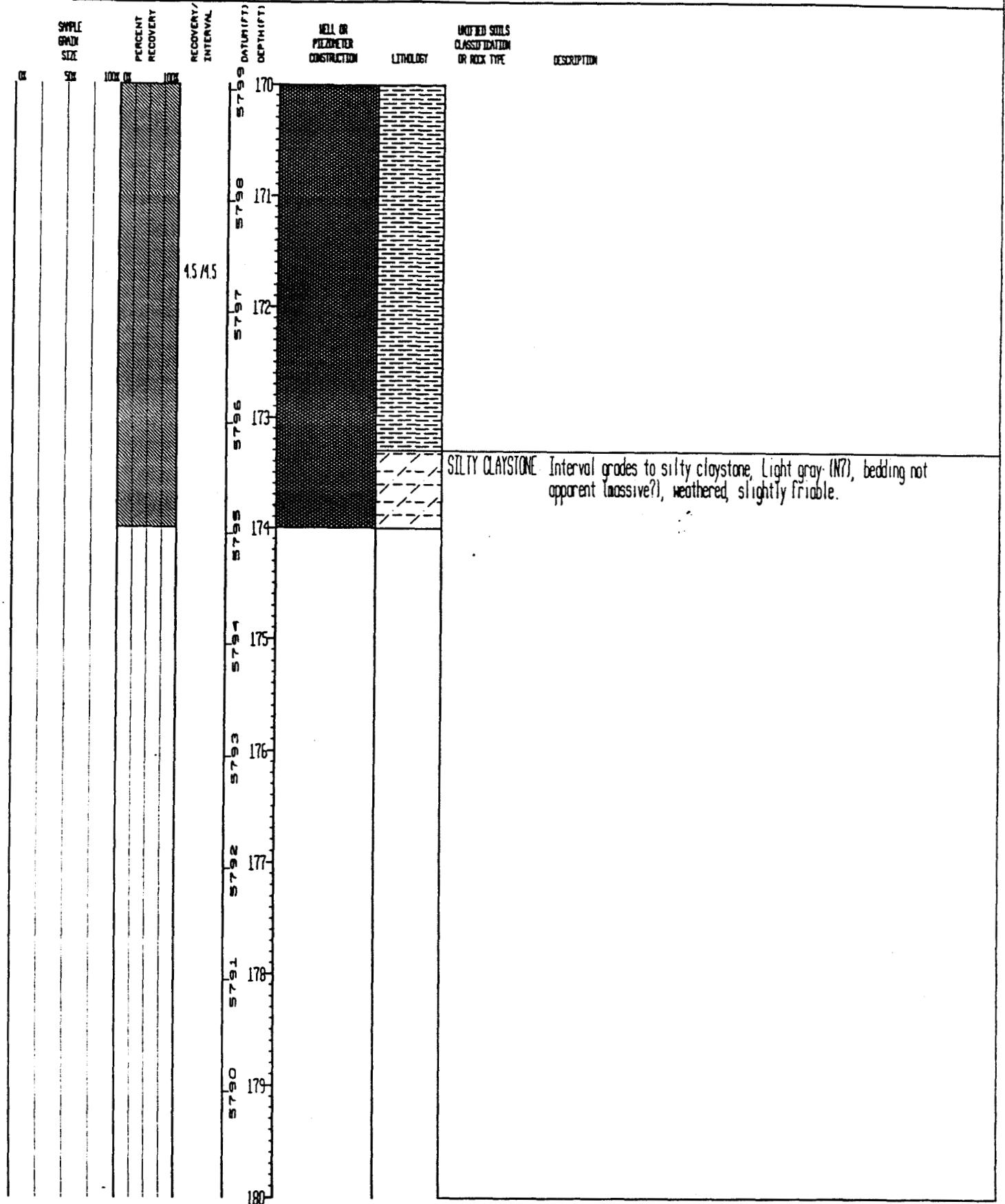
16-87BR



STATE PLANE COORDINATE:	TOTAL DEPTH (FT): 174	GROUND ELEVATION (FT): 599.06	PROJECT NUMBER: 667.11	LOG OF BORING NUMBER:
NORTH: 749130	AREA: 903 PHD	CASING DIAMETER (IN): 2 1/2	GEOLOGIST: LAM/DCB	
EAST: 2086249	LOCATOR NUMBER: W9	BOREHOLE DIAMETER (IN): 4	DATE DRILLED: 07/08/87	
REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.				16-87BR



STATE PLANE COORDINATE NORTH: 749130 EAST: 2086249	TOTAL DEPTH (FT): 174 AREA: 903 SQM LOCATOR NUMBER: N9	GROUND ELEVATION (FT): 5969.06 CASTING DIAMETER (IN): 2 ID BOREHOLE DIAMETER (IN): 4	PROJECT NUMBER: 667.11 GEOLOGIST: LMA/DCB DATE DRILLED: 07/08/87	LOG OF BORING NUMBER: 16-87BR
REMARKS: Hollow stem auger, Rotary core. Surface casing set to 49.17' by Craig Wood, June 18, 1987.				



STATE PLANE COORDINATE: TOTAL DEPTH (FT): 126.2 GROUND ELEVATION (FT): 5968.1 PROJECT NUMBER: 667.11 LOG OF BORING NUMBER
 NORTH: 749534 AREA: MOUND AREA CASING DIAMETER (IN): 2 ID GEOLOGIST: LA/TSO/008
 EAST: 208615 LOCATOR NUMBER: N9 BOREHOLE DIAMETER (IN): 4.0 DATE DRILLED: 08/03/87
 REMARKS: Hollow stem auger; Rotary core. Surface casing to 51' 6" by J.B. Bergman, Aug. 4, 1987

20-87BR

CHART SAMPLE GRANULOMETRIC PROFILE DEPTH

SAMPLE NUMBER

SAMPLE NUMBER	SAMPLE GRAIN SIZE	PERCENT RECOVERY	RECOVERY/ INTERVAL	DATUM (FT) DEPTH (FT)	WELL OR PIEZOMETER CONSTRUCTION	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
819	1000	100	1.8 / 1.5	5968.0	0	GC		Clayey Gravel - light gray (N7), predominant gravel color. Angular to sub-rounded, moderately well graded, max. size 5 cm. Clay matrix brownish gray (SYR 4/1), some sand and silt, some surficial roots, some CaCO ₃ , grades to caliche matrix, less gravel at bottom of interval
	0	0	0.0 / 0.5	5967.0	2	NO SAMPLE		
	18	18	1.8 / 2	5966.0	4	GC		Gravel In Caliche Matrix - medium gray (NS), angular to sub-angular, well graded, max. size 9.5 cm., some sand in caliche matrix, grades to some clay in caliche matrix toward bottom, light brown (SYR 5/6)
	17	17	1.7 / 1.9	5965.0	6	GC		Same as above.
	0.7	0.7	0.7 / 0.5	5964.0	8	GC		Same as above, less caliche, CaCO ₃ , more brown clay matrix
	0.2	0.2	0.2 / 4	5963.0	10	NO SAMPLE		
	5	5	11 / 2	5962.0	12	GC		GRAVEL - very pale orange (10YR 8/2) to light gray (N7), angular to sub-rounded, well graded, max. size 4.5 cm. Sandy clay matrix, light brown (SYR 5/6), matrix approx. 30% coarse sand, some CaCO ₃ still present

STATE PLANE COORDINATE: TOTAL DEPTH (FT): 126.2 GROUND ELEVATION (FT): 5968.1 PROJECT NUMBER: 667.11 LOG OF BORING NUMBER
 NORTH: 749634 AREA: MOUND AREA CASTING DIAMETER (IN): 2 ID GEOLOGIST: LAATSD/DCB
 EAST: 2086155 LOCATOR NUMBER: M9 BOREHOLE DIAMETER (IN): 4.0 DATE DRILLED: 08/03/87
 REMARKS: Hollow stem auger; Rotary core. Surface casing to 51.64' by J.B. Bergman, Aug. 4, 1987.

20-87BR

GRANULARITY SPACED DEPTH

SAMPLE NUMBER

SAMPLE
GRADE
SIZE

PERCENT
RECOVERY

RECOVERY/
INTERVAL

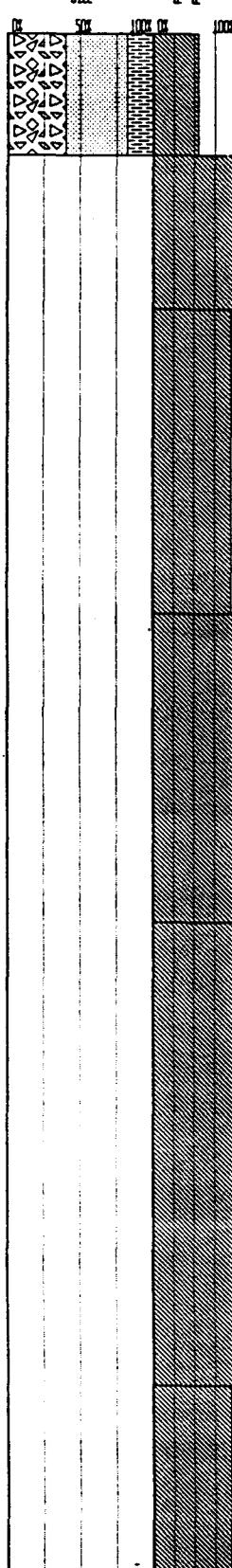
WELL OR
PIEZOMETER
CONSTRUCTION

DIA/TILT
DEPTH (FT)

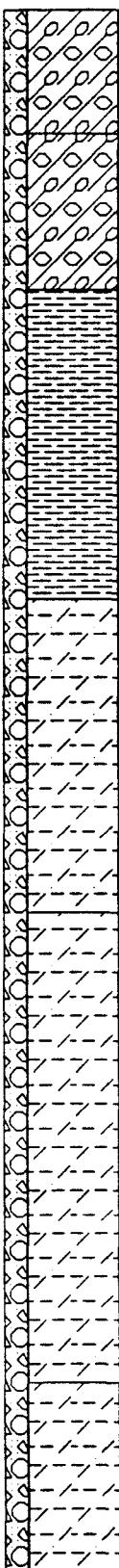
LITHOLOGY

UNIFIED SOILS
CLASSIFICATION
OR ROCK TYPE

DESCRIPTION



10
11
12
13
14
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16
17
18
19
20



10
11
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17
18
19
20

GC Some as above, no CaCO₃ seems to be present.

CLAYSTONE Top of Bedrock
Dark yellowish orange (10YR 6/6) to light brown (5YR 5/6), mod to high plasticity, horizontal bedding with some carbonaceous material, some gravel, becoming silty, very pale orange (10YR 8/2) toward bottom of interval.

SILTY CLAYSTONE Very pale orange to dark yellowish orange (10YR 8/2 to 10YR 6/6), moderate to high plasticity, bedding appears horizontal, some areas of matrix appear to be iron stained, trace carbonaceous material.

SILTY CLAYSTONE Same as above.

SILTY CLAYSTONE Same as above, silt content fluctuates 10% either way

SAMPLE NUMBER	STATE PLANE COORDINATE:		TOTAL DEPTH (FT)	GROUND ELEVATION (FT)	PROJECT NUMBER	LOG OF BORING NUMBER
	NORTH:	EAST:	126.2	5968.1	667.11	20-87BR
REMARKS: Hollow stem auger; Rotary core. Surface casing to 51 64' by J B Bergman, Aug 4, 1987	AREA: ROUND AREA	LOCATOR NUMBER: N9	CASING DIAMETER (IN)	2 1/2	GEODETIST: LAA/TSD/008	
SAMPLE GRAIN SIZE	PERCENT RECOVERY	RECOVERY/ INTERVAL	HOLE OR Piezometer CONSTRUCTION	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
SOIL			DEPTH (FT)			
33/B			59-18			
			59-17			
			59-16			
			59-15			
			59-14			
			59-13			
			59-12			
			59-11			
			59-10			
			59-9			
			59-8			
			59-7			
			59-6			
			59-5			
			59-4			
			59-3			
			59-2			
			59-1			
			59-0			
			59-1			
			59-2			
			59-3			
			59-4			
			59-5			
			59-6			
			59-7			
			59-8			
			59-9			
			59-10			
			59-11			
			59-12			
			59-13			
			59-14			
			59-15			
			59-16			
			59-17			
			59-18			
			20			
			21			
			22			
			23			
			24			
			25			
			26			
			27			
			28			
			29			
			30			

Critical Sample Depth

STATE PLANE COORDINATE TOTAL DEPTH (FT): 125.2 GROUND ELEVATION (FT): 5968.1 PROJECT NUMBER: 667.11 LOG OF BORING NUMBER
 NORTH: 749534 AREA: HOLLOW AREA CASTING DIAMETER (IN): 2 10 GEOLOGIST: LAIA/TSD/DCB
 EAST: 2086155 LOCATOR NUMBER: N9 BOREHOLE DIAMETER (IN): 4.0 DATE DRILLED: 08/03/87
 REMARKS: Hollow stem auger; Rotary core. Surface casing to 51.64' by J.B. Bergman, Aug. 4, 1987.
20-87BR

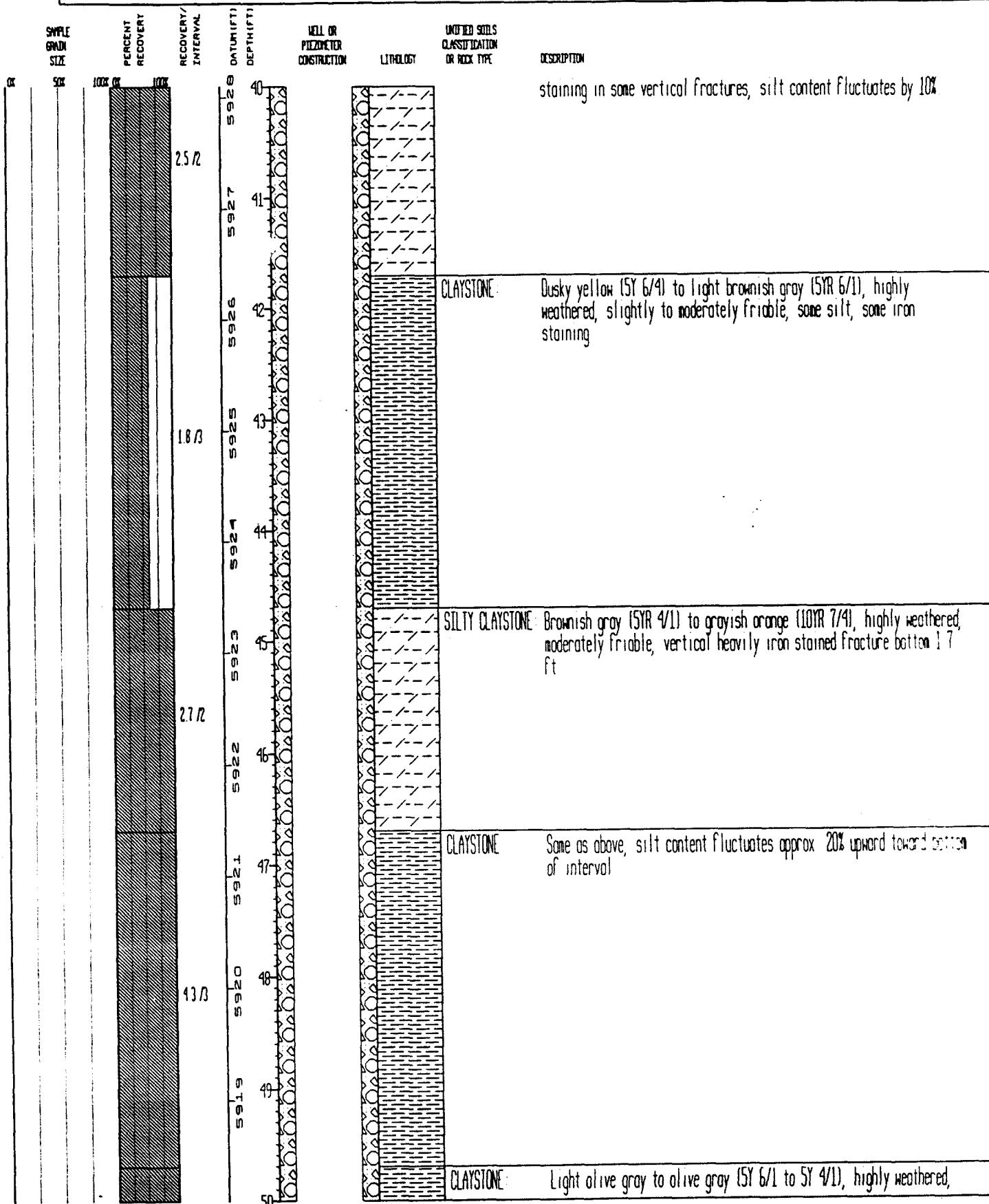
20-87BR

SAMPLE GRADE SIZE	PERCENT RECOVERY	RECOVERY/ INTERVAL	WELL OR PIEZOMETER CONSTRUCTION	DEPTH (FT)	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
5930	100%	100%		30			
5931				31			SILTY CLAYSTONE Some as above, some pale yellowish brown (10YR 6/2) toward bottom, CaCO ₃ stringers present, iron staining, did not see any nodules
5932				32			
5933				33			
5934				34			
5935				35			NO SAMPLE
5936				36			
5937				37			SILTY CLAYSTONE Dark yellowish orange to very light gray (10YR 8/2 to N8), moderate to high plasticity, becoming siltier at bottom
5938				38			
5929				39			SILTY CLAYSTONE Dark yellowish orange (10YR 6/6) yellowish gray (5Y 7/2), some iron staining, trace gravel, becoming less silty and light brownish gray (5YR 6/1) toward bottom of interval
				40			SILTY CLAYSTONE Dark yellowish orange to yellowish gray (10YR 6/6 to 5Y 7/2), iron

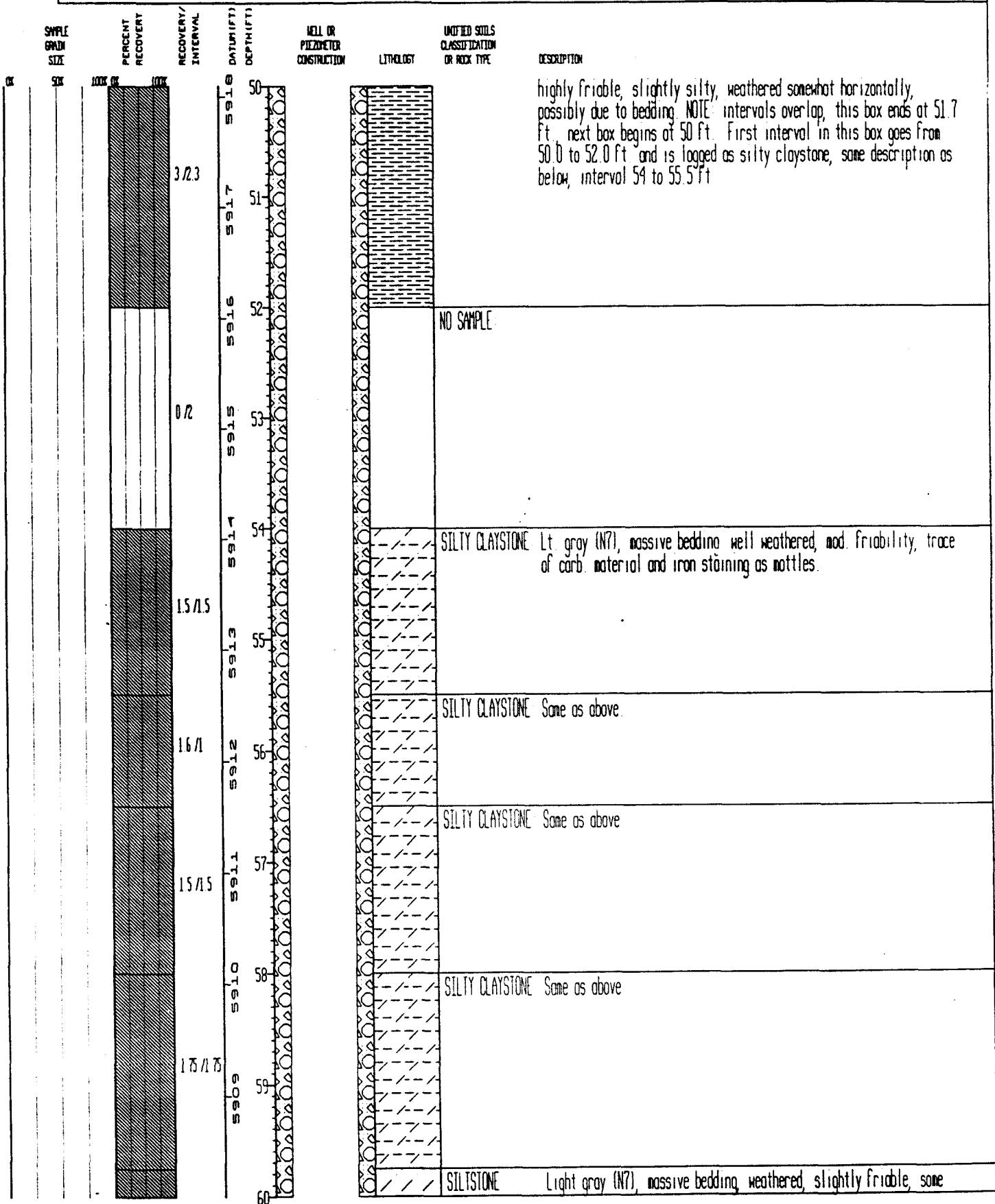
STATE PLANE COORDINATE:	TOTAL DEPTH (FT):	126.2	GROUND ELEVATION (FT):	5968.1	PROJECT NUMBER:	667.11	LOG OF BORING NUMBER
NORTH: 749634	AREA: ROUND AREA		CASING DIAMETER (IN):	2 ID	GEOLOGIST:	LAW/TSD/DCB	
EAST: 2086155	LOCATOR NUMBER: N9		BOREHOLE DIAMETER (IN):	4.0	DATE DRILLED:	08/03/87	
REMARKS: Hollow stem auger; Rotary core. Surface casing to 51.64' by J.B. Bergman, Aug. 4, 1987.							

20-87BR

CREW SAMPLE DEPTH
GRADATIONAL SAMPLE DEPTH
SAMPLE NUMBER



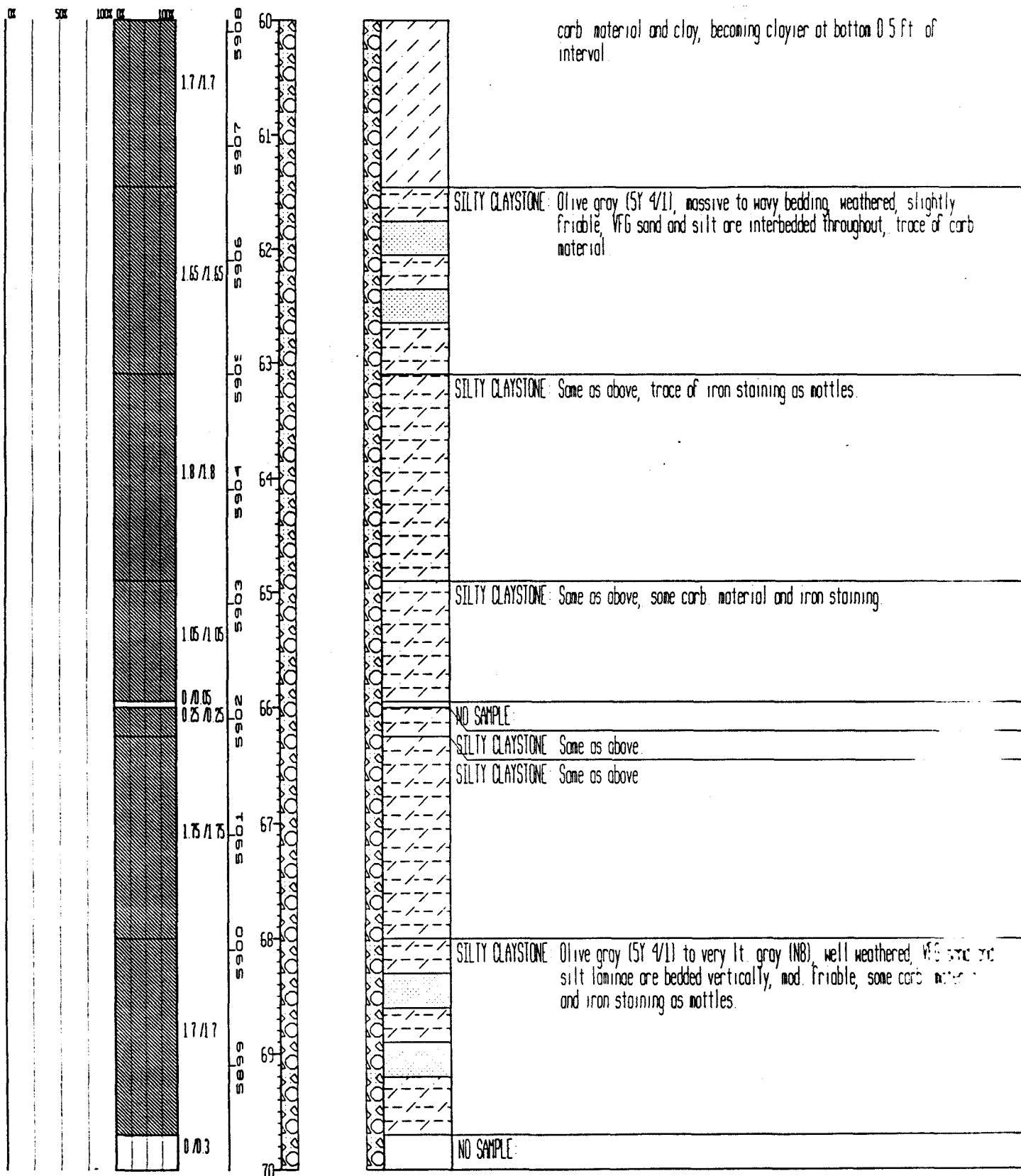
STATE PLANE COORDINATE:	TOTAL DEPTH (FT): 126.2	GROUND ELEVATION (FT): 5968.1	PROJECT NUMBER: 667.11	LOG OF BORING NUMBER
NORTH: 749534	AREA: ROUND AREA	CASING DIAMETER (IN): 2 ID	GEOLIST: LA/TSO/DCB	
EAST: 2086155	LOCATOR NUMBER: N9	BOREHOLE DIAMETER (IN): 4.0	DATE DRILLED: 08/03/87	
REMARKS: Hollow stem auger; Rotary core. Surface casing to 51.64' by J.B. Bergman, Aug. 4, 1987				20-87BR



STATE PLANE COORDINATE NORTH: 749534 EAST: 2086155	TOTAL DEPTH (FT): 126.2 AREA: ROUND AREA LOCATOR NUMBER: N9	GROUND ELEVATION (FT): 5958.1 CASING DIAMETER (IN): 2 ID BOREHOLE DIAMETER (IN): 4.0	PROJECT NUMBER: 667.11 GEOLOGIST: LAW/TSD/DCB DATE DRILLED: 08/03/87	LOG OF BORING NUMBER 20-87BR
REMARKS: Hollow stem auger; Rotary core. Surface casing to 51.64' by J.B. Bergman, Aug. 4, 1987				

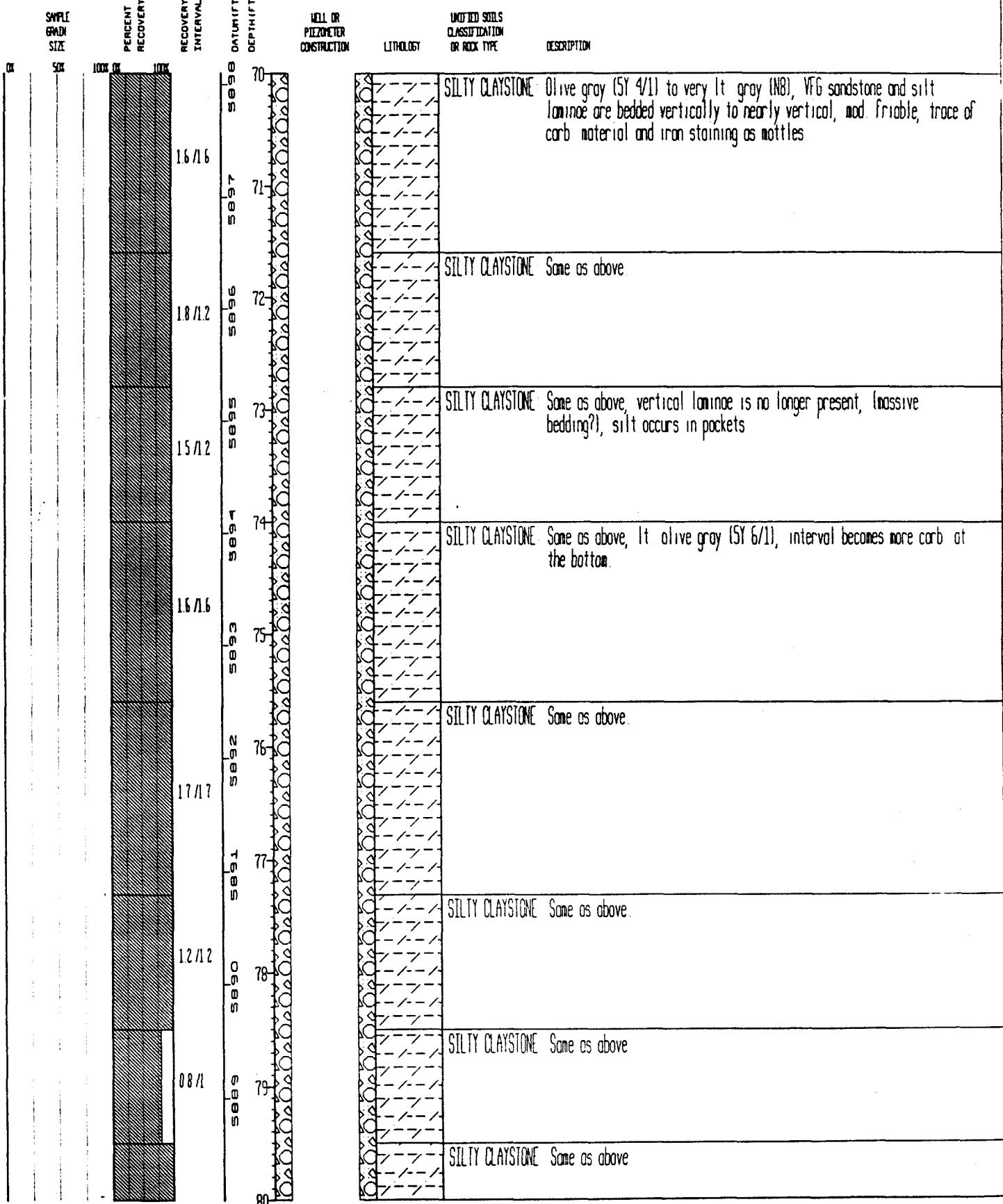
CRESTON SKIDDOCK 100 FT
GRANITIC GROWTH
SAMPLE NUMBER

SAMPLE NUMBER	SAMPLE SIZE	PERCENT RECOVERY	RECOVERY/ INTERVAL	DATUM (FT) DEPTH (FT)	WELL OR PIEZOMETER CONSTRUCTION	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
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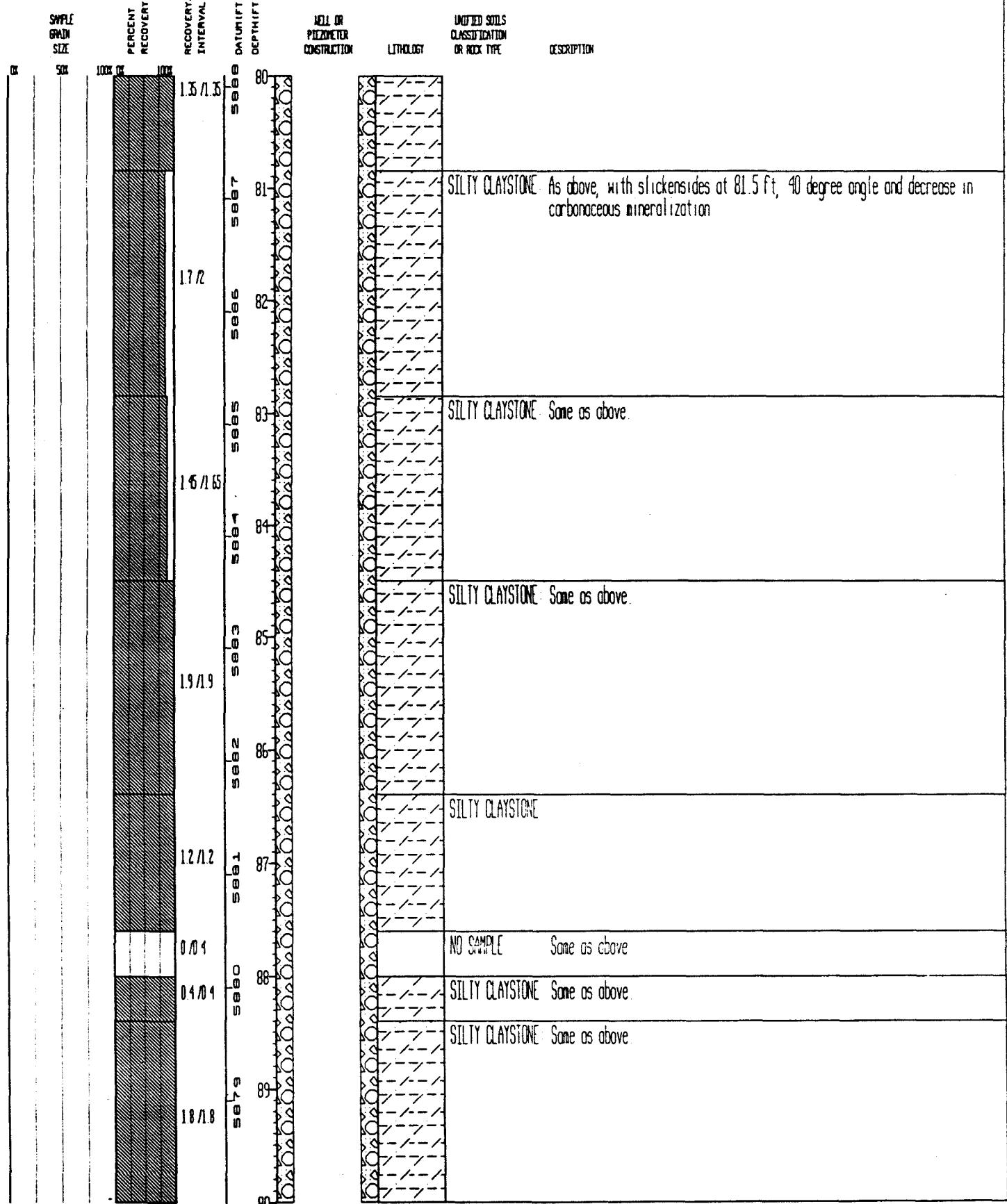
STATE PLANE COORDINATE	TOTAL DEPTH (FT)	GROUND ELEVATION (FT)	PROJECT NUMBER	LOG OF BORING NUMBER
NORTH	749634	AREA MOUND AREA	CASING DIAMETER (IN)	667.11
EAST	2086155	LOCATOR NUMBER: N9	BOREHOLE DIAMETER (IN)	LA/TS/008
REMARKS: Hollow stem auger; Rotary core. Surface casing to 51.64' by J B Bergman, Aug 4, 1987				20-87BR

CHARTED STATEMENT
GEOGRAPHICAL SAMPLE DEPTH
SAMPLE NUMBER



STATE PLANE COORDINATE:	TOTAL DEPTH (FT):	GROUND ELEVATION (FT):	PROJECT NUMBER:	LOG OF BORING NUMBER
NORTH: 749534	AREA: ROUND AREA	CASTING DIAMETER (IN): 2 ID	GEOLOGIST:	LAW/ISD/DCB
EAST: 2086155	LOCATOR NUMBER: N9	BOREHOLE DIAMETER (IN): 4.0	DATE DRILLED:	08/03/87
REMARKS: Hollow stem auger; Rotary core. Surface casing to 51.64' by J.B. Bergman, Aug. 9, 1987.				

20-87BR

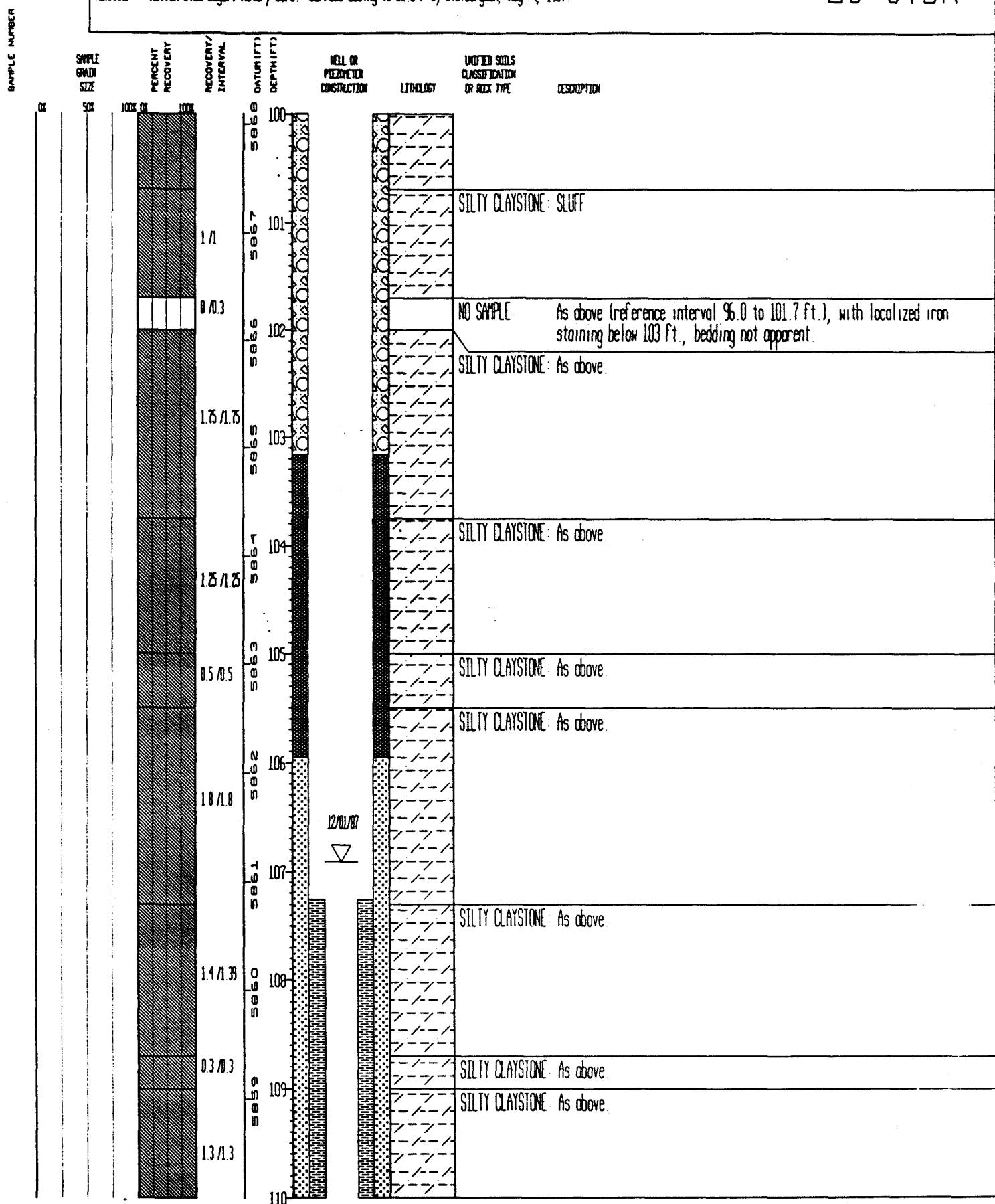


SAMPLE NUMBER	STATE PLANE COORDINATE:		TOTAL DEPTH (FT):	GROUND ELEVATION (FT)	PROJECT NUMBER:	LOG OF BORING NUMBER
	NORTH:	749634	AREA: MOUND AREA	CASING DIAMETER (IN):	5968.1	667.11
	EAST:	2086155	LOCATOR NUMBER:	108	BOREHOLE DIAMETER (IN):	2 1/2
REMARKS: Hollow stem auger; Rotary core. Surface casing to 51.64' by J.B. Bergman, Aug. 4, 1987.						
	SAMPLE SIZE	PERCENT RECOVERY	RECOVERY/ INTERVAL	DEPTH (FT) OR DEPTH (FT)	HOLLOW OR PIEZOMETER CONSTRUCTION	LITHOLOGY UNIFIED SOILS CLASSIFICATION OR ROCK TYPE DESCRIPTION
	100% 100%	100%	1.8/1.8	5878 90		SILTY CLAYSTONE: Same as above, increase in silt fraction below 92.0 ft.
			1.65/1.65	5877 91		SILTY CLAYSTONE:
			0.25	5876 92		
			1.4/1.4	5875 93		NO SAMPLE: Light gray (N7), bioturbated / soft sediment deformation? well weathered, moderately friable, some carbonaceous mineralization disseminated throughout.
			1.6/1.6	5874 94		SILTY CLAYSTONE: Same as above.
			1.7/1.7	5873 95		SILTY CLAYSTONE: Same as above.
				5872 96		SILTY CLAYSTONE: Same as above.
				5871 97		
				5870 98		
				5869 99		SILTY CLAYSTONE: Same as above
				5868 100		

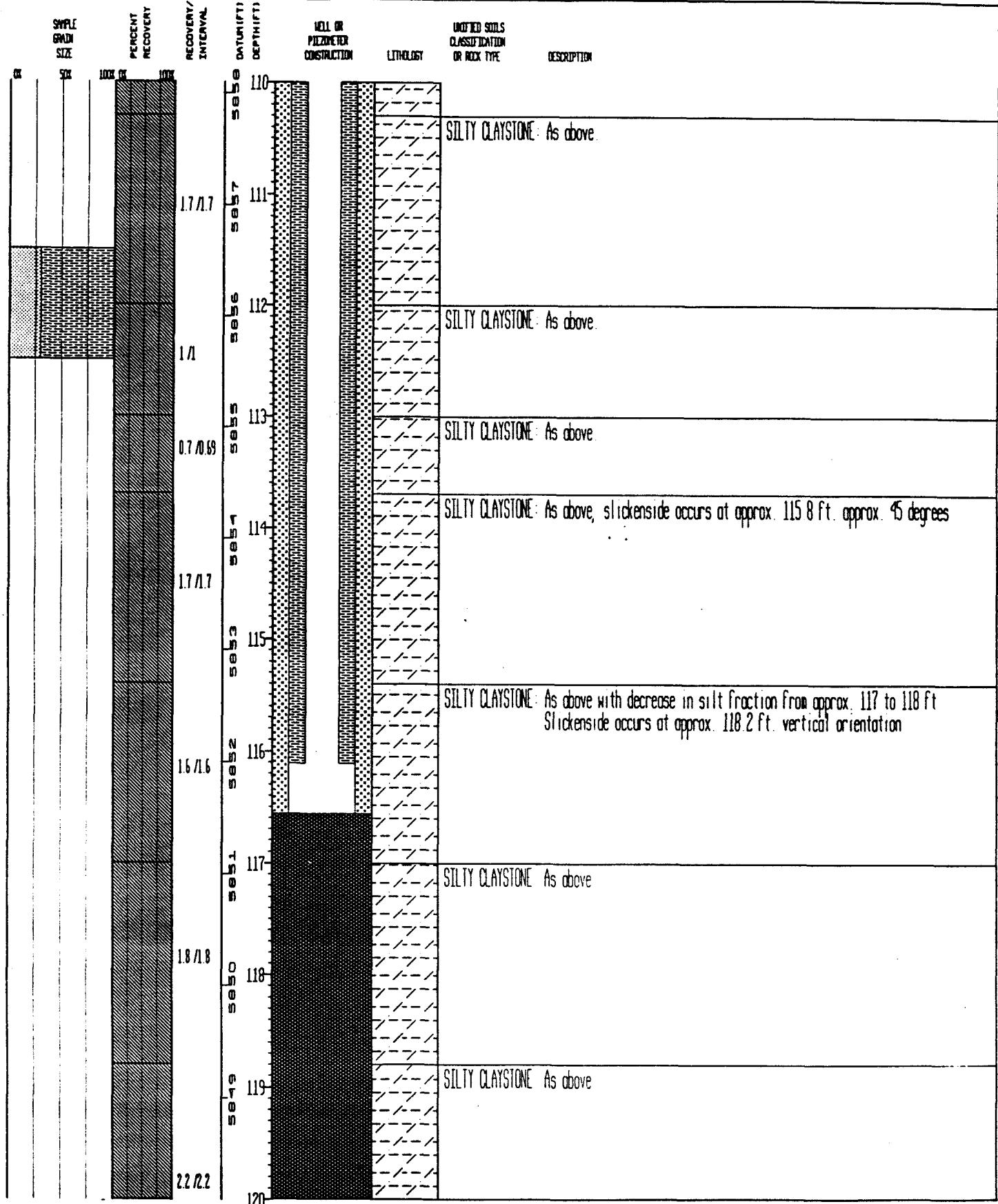
STATE PLANE COORDINATE:	TOTAL DEPTH (FT):	GROUND ELEVATION (FT):	PROJECT NUMBER:	LOG OF BORING NUMBER
NORTH: 749534	AREA: ROUND AREA	CASING DIAMETER (IN): 2 1/2	GEOLOGIST:	LAW/TS/OCB
EAST: 2086155	LOCATOR NUMBER: N9	BOREHOLE DIAMETER (IN): 1.0	DATE DRILLED:	08/03/87
REMARKS: Hollow stem auger; Rotary core. Surface casing to 51.64' by J.B. Bergman, Aug. 4, 1987.				

20-87BR

CRESTLINE SURFACE DEPTH
GRADUATIONAL SAMPLE DEPTH



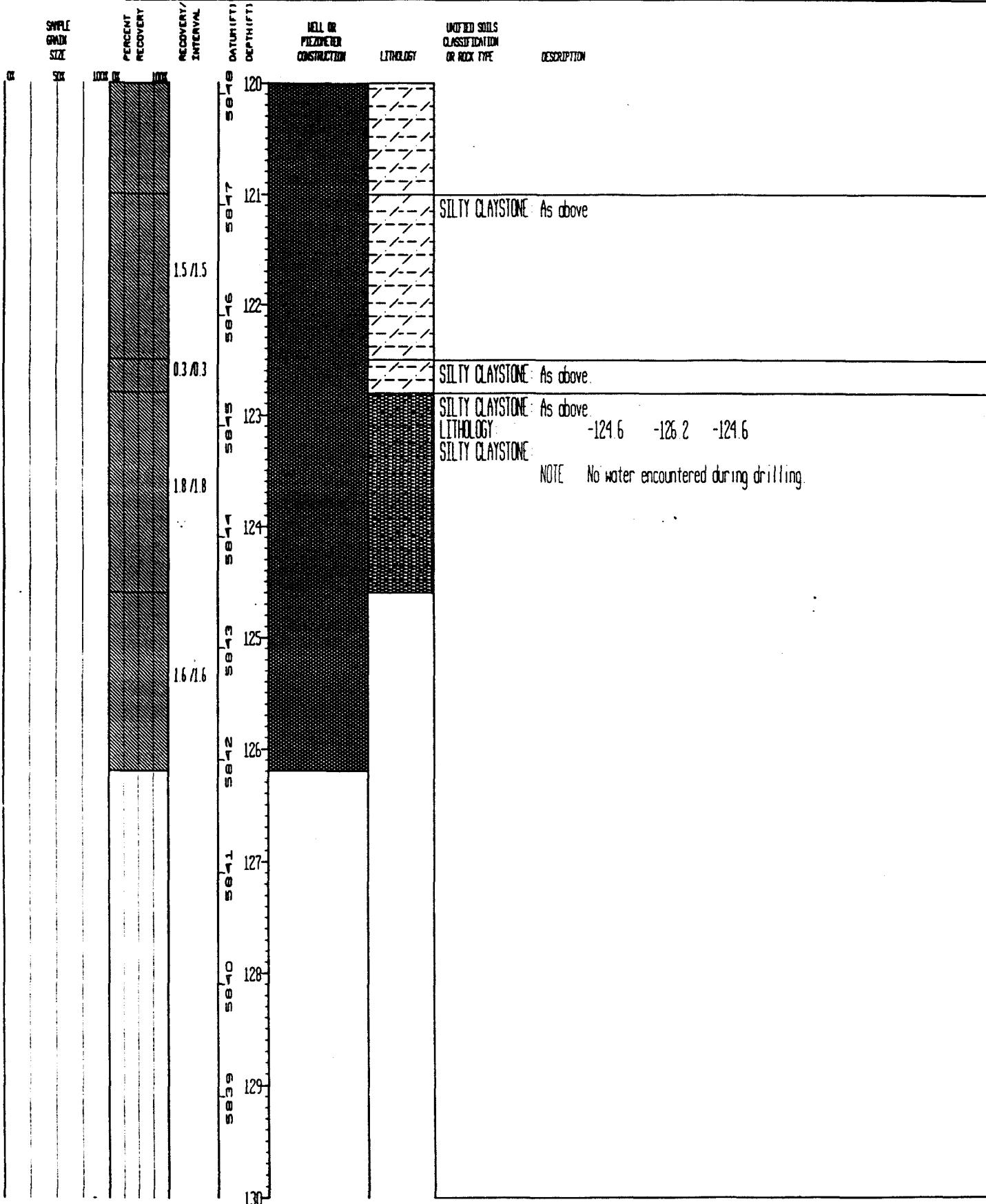
STATE PLANE COORDINATE:	TOTAL DEPTH (FT):	126.2	GROUND ELEVATION (FT):	5968.1	PROJECT NUMBER:	667.11	LOG OF BORING NUMBER:
NORTH: 749634	AREA:	MOUND AREA	CASING DIAMETER (IN):	2 1/2	GEOLOGIST:	LAA/TSD/DCB	
EAST: 2086155	LOCATOR NUMBER:	W9	BOREHOLE DIAMETER (IN):	4.0	DATE DRILLED:	08/03/87	
REMARKS: Hollow stem auger; Rotary core. Surface casing to 51.64' by J.B. Bergman, Aug. 1, 1987.							



STATE PLANE COORDINATE:	TOTAL DEPTH (FT):	126.2	GROUND ELEVATION (FT):	5968.1	PROJECT NUMBER:	667.11	LOG OF BORING NUMBER:
NORTH: 749534	AREA: ROUND AREA		CASING DIAMETER (IN):	2 ID	GEOLOGIST:	LAW/TSO/DCB	
EAST: 2086155	LOCATOR NUMBER: N9		BOREHOLE DIAMETER (IN):	4.0	DATE DRILLED:	08/03/87	
REMARKS: Hollow stem auger; Rotary core. Surface casing to 51.64' by J.B. Bergman, Aug. 1, 1987.							

20-87BR

SHUTTING
GROUTING
SAMPLE NUMBER



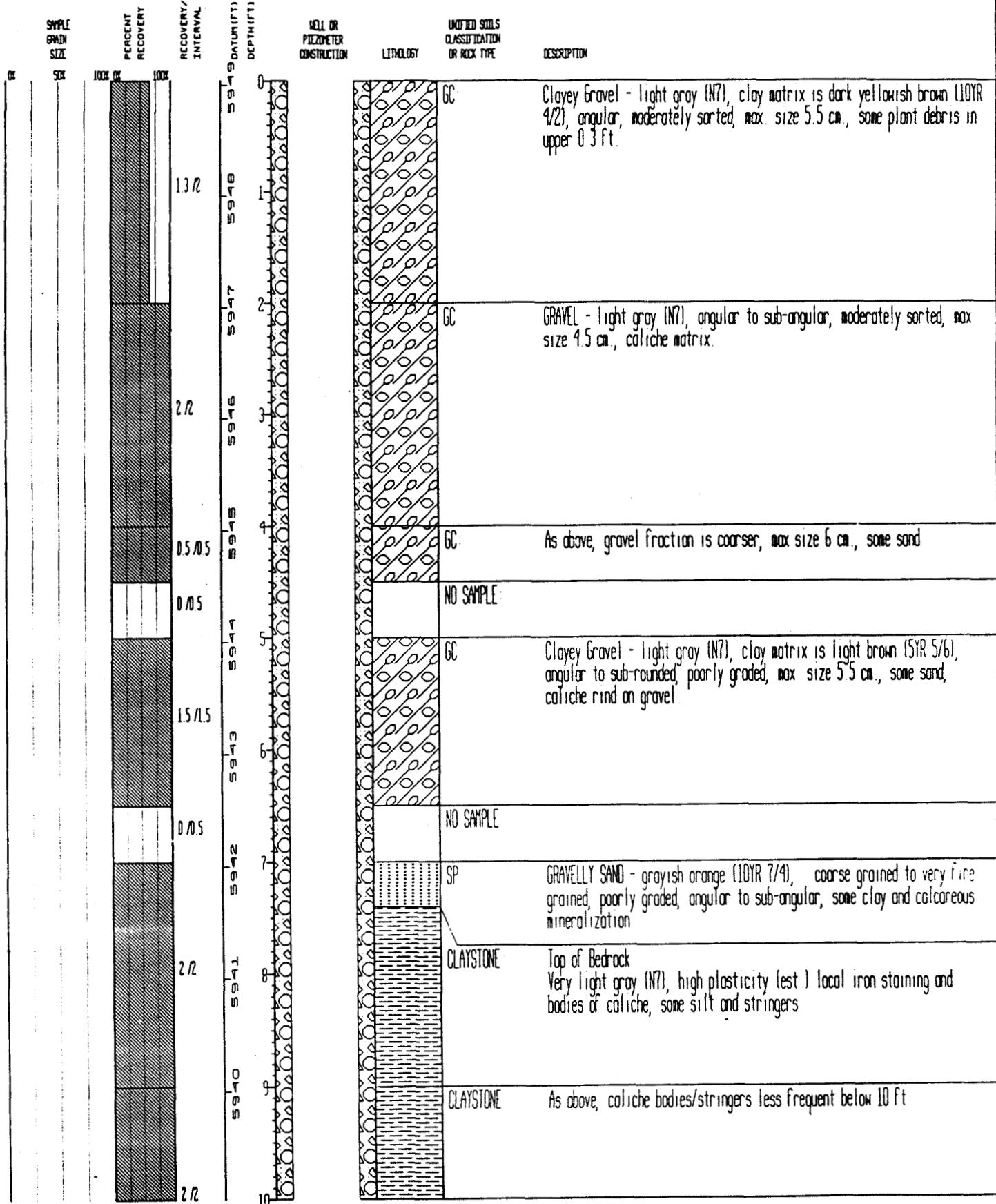
STATE PLANE COORDINATE: TOTAL DEPTH (FT): 74.5 GROUND ELEVATION (FT): 5949.04 PROJECT NUMBER: 667.11 LOG OF BORING NUMBER

NORTH: 749979 AREA: EAST TRENCHES CASING DIAMETER (IN): 2 IN GEOLOGIST: DCB

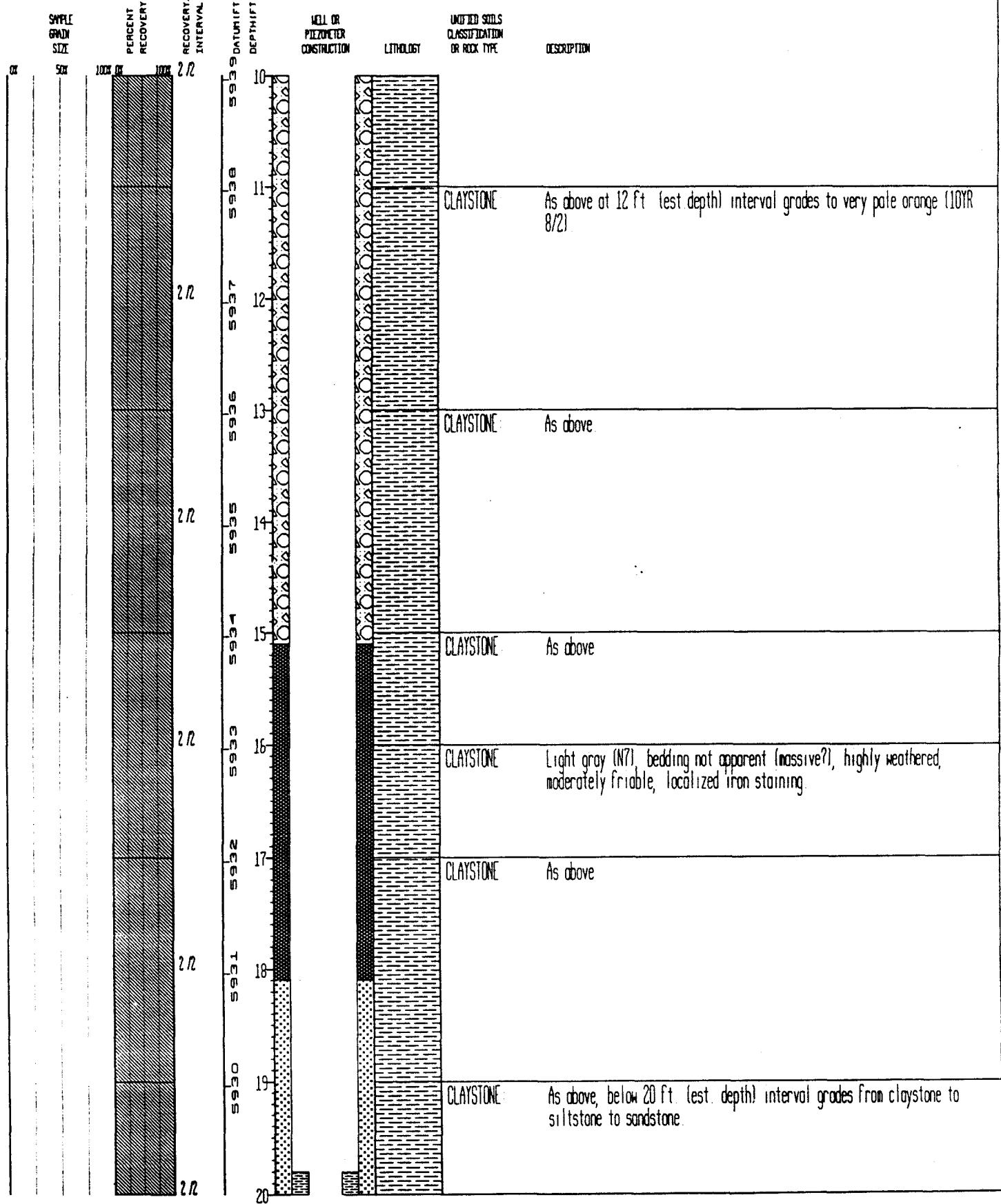
EAST: 2087295 LOCATOR NUMBER: 09 BOREHOLE DIAMETER (IN): 7.5 DATE DRILLED: 08/27/87

REMARKS: Hollow Stem Auger

36-87BR



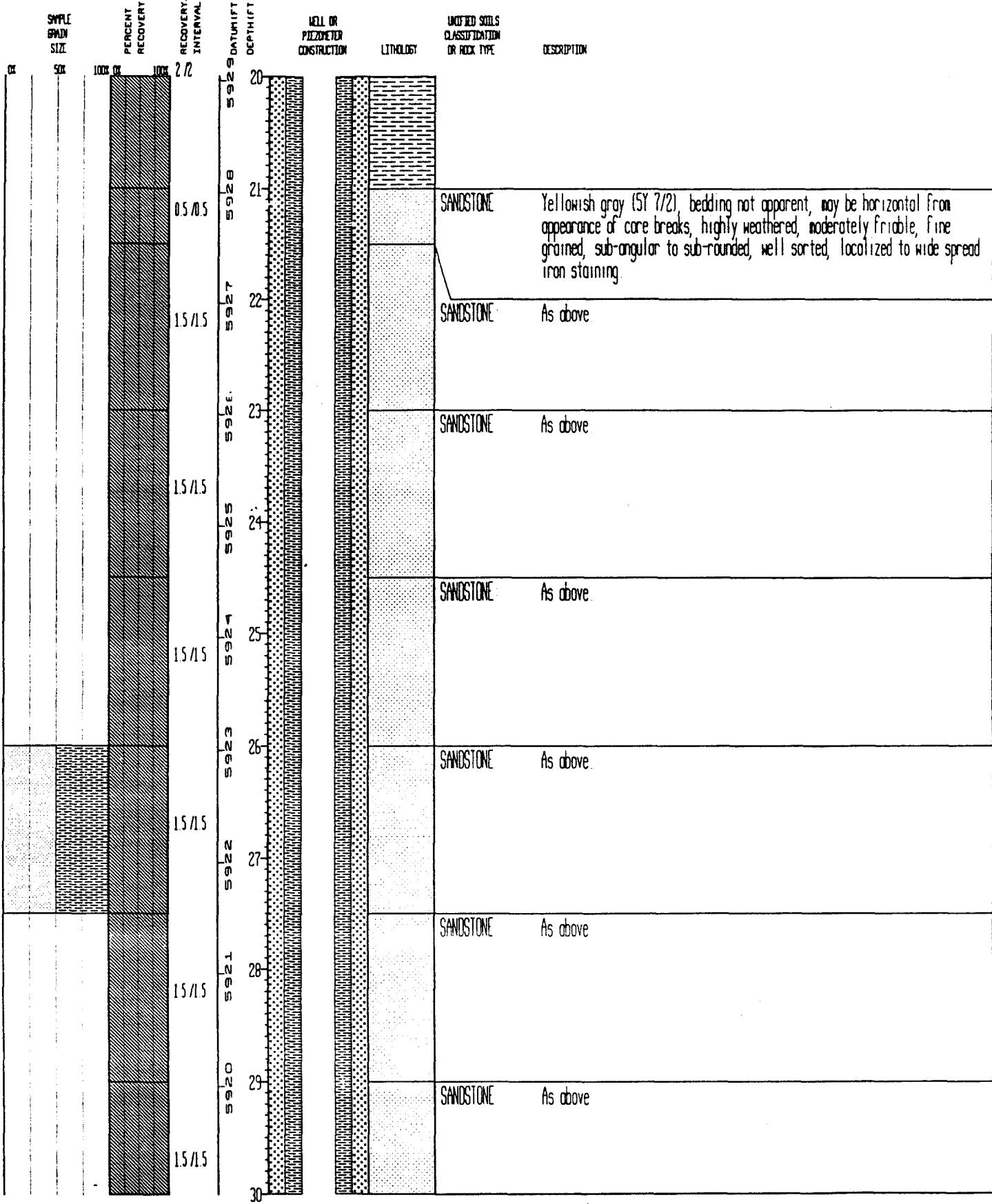
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NORTH: 749979	AREA: EAST TRENCHES	CASING DIAMETER (IN): 2 IN	GEOLOGIST:	DCB
EAST: 2087255	LOCATOR NUMBER: 09	BORHOLE DIAMETER (IN): 7.5	DATE DRILLED:	09/27/87
REMARKS: Hollow Stem Auger				36-87BR



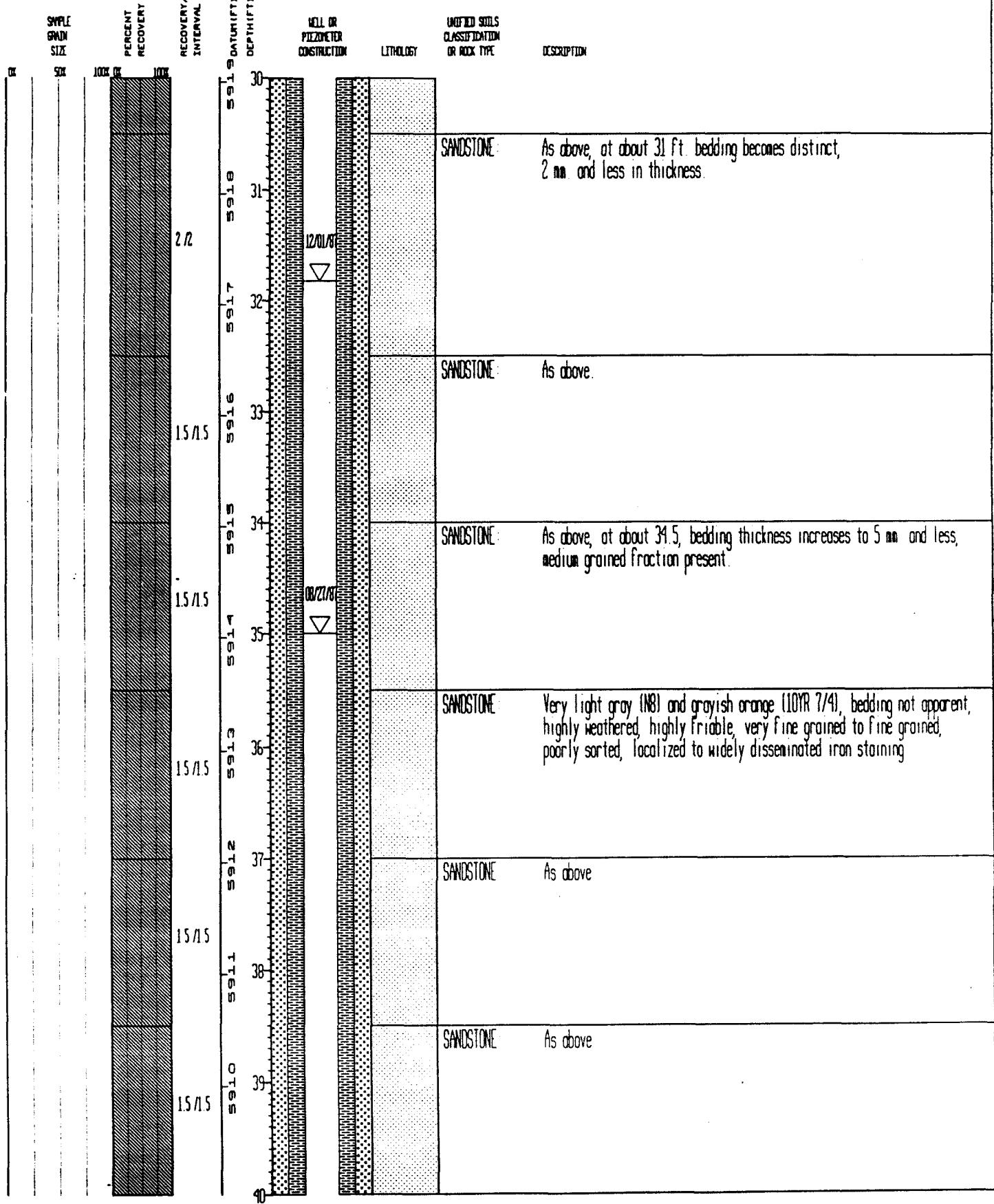
STATE PLANE COORDINATE		TOTAL DEPTH (FT)	GROUND ELEVATION (FT)	PROJECT NUMBER	LOG OF BORING NUMBER
NORTH	749579	AREA EAST TRENCHES	5949.04	DCB	
EAST	2087295	LOCATOR NUMBER	2 ID	DATE DRILLED	08/27/87
REMARKS	Hollow Stem Auger				36-87BR

CREATURIC SAMPLE DEPTH
GRADATIONAL SAMPLE DEPTH

SAMPLE NUMBER



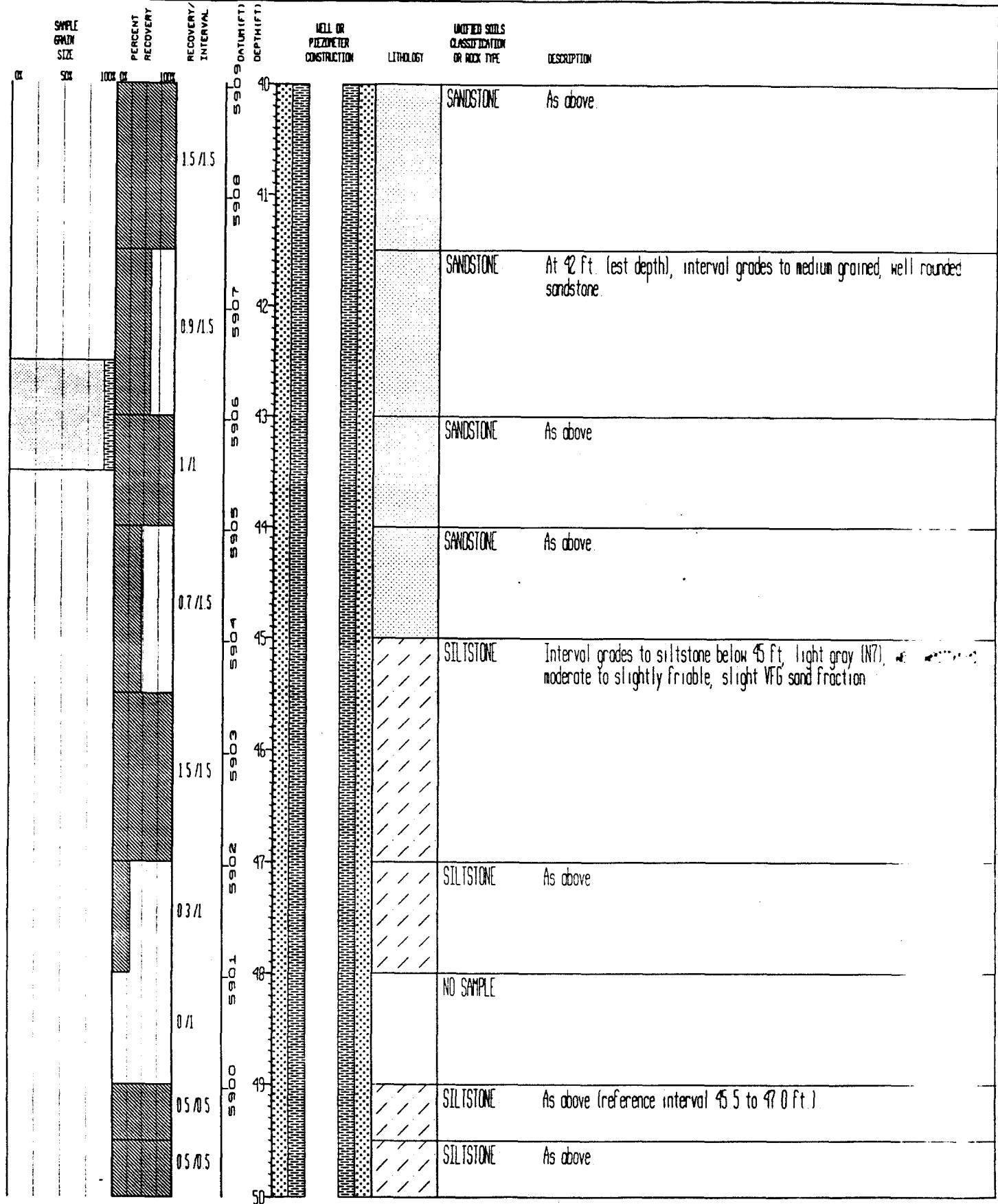
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NORTH:	749979	AREA: EAST TRENCHES	CASING DIAMETER (IN)	GEOLOGIST:
EAST:	2087295	LOCATOR NUMBER:	7.5	DATE DRILLED:
REMARKS: Hollow Stem Auger.				36-87BR



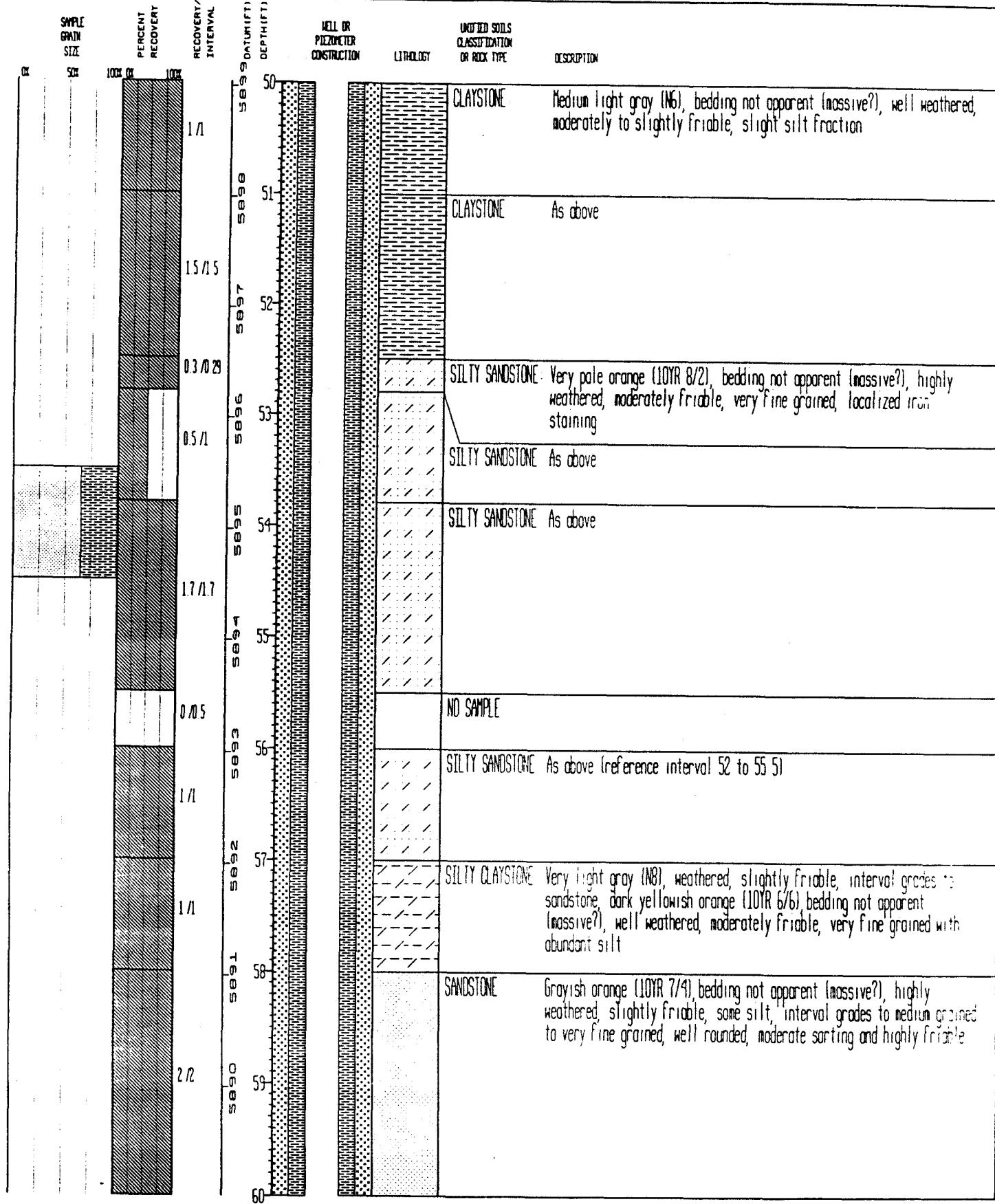
STATE PLANE COORDINATE: TOTAL DEPTH (FT) 74.5 GROUND ELEVATION (FT) 5949.04 PROJECT NUMBER 667 LI LOG OF BORING NUMBER
 NORTH 749979 AREA EAST TRENCHES CASING DIAMETER (IN) 2 ID GEOLOGIST DCB
 EAST 2087295 LOCATOR NUMBER 09 BOREHOLE DIAMETER (IN) 7.5 DATE DRILLED 08/27/87
 REMARKS Hollow Stem Auger.

36-87BR

UNITS: FEET
SAMPLE NUMBER

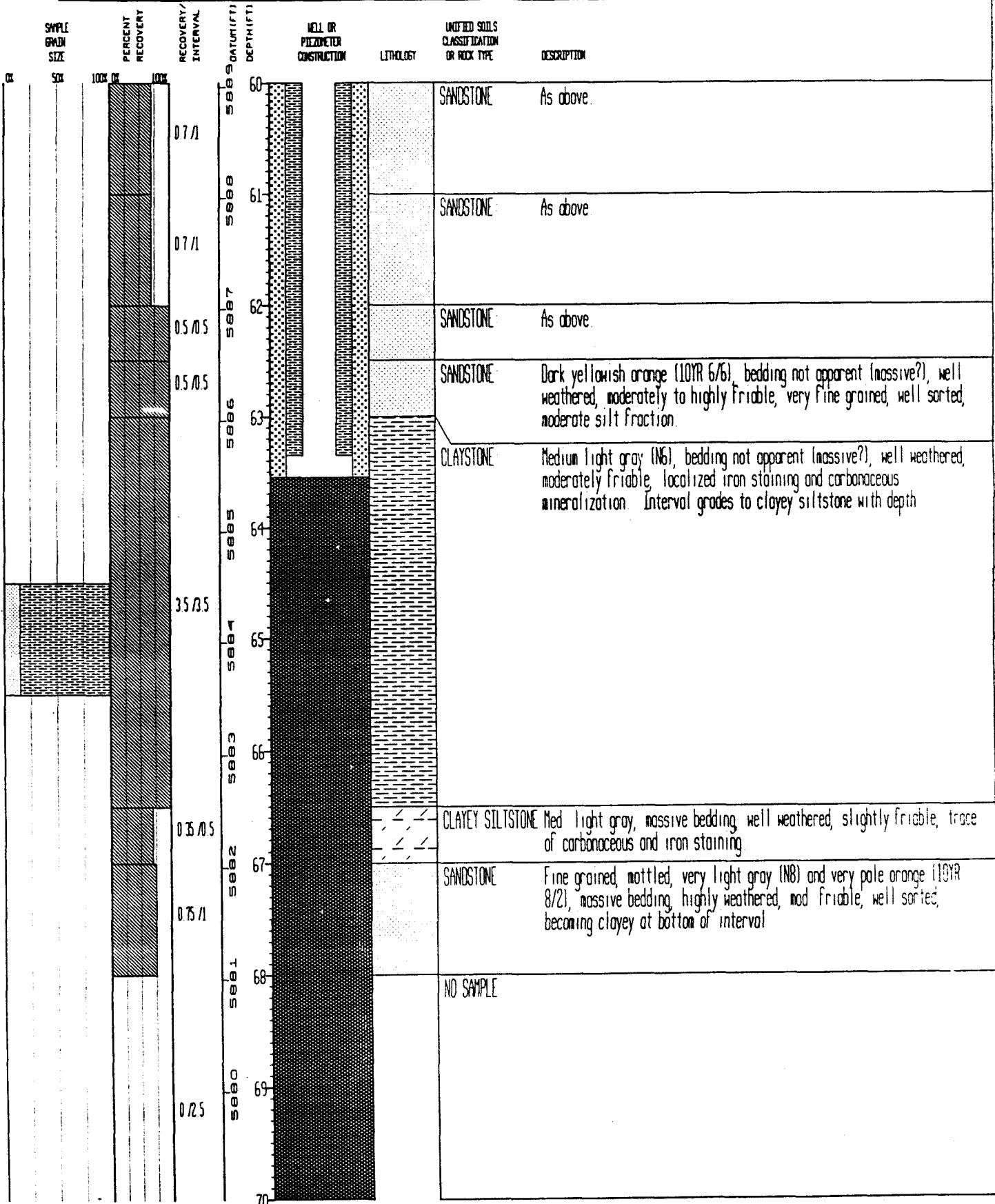


STATE PLANE COORDINATE NORTH 749979 EAST 2087295	TOTAL DEPTH (FT) 74.5 AREA: EAST TRENCHES LOCATOR NUMBER 09	GROUND ELEVATION (FT) 5949.04 CASING DIAMETER (IN) 2 ID BOREHOLE DIAMETER (IN) 7.5	PROJECT NUMBER 667 II GEOLOGIST DCB DATE DRILLED 06/27/87	LOG OF BORING NUMBER 36-87BR
REMARKS Hollow Stem Auger				



STATE PLANE COORDINATE	TOTAL DEPTH (FT): 74.5	GROUND ELEVATION (FT)	5999.04	PROJECT NUMBER:	667 11
NORTH: 749979	AREA: EAST TRENCHES	CASING DIAMETER (IN)	2 1/2	GEOLOGIST	DCB
EAST: 2087255	LOCATOR NUMBER: 09	BOREHOLE DIAMETER (IN)	7.5	DATE DRILLED:	08/27/87
REMARKS: Hollow Stem Auger					

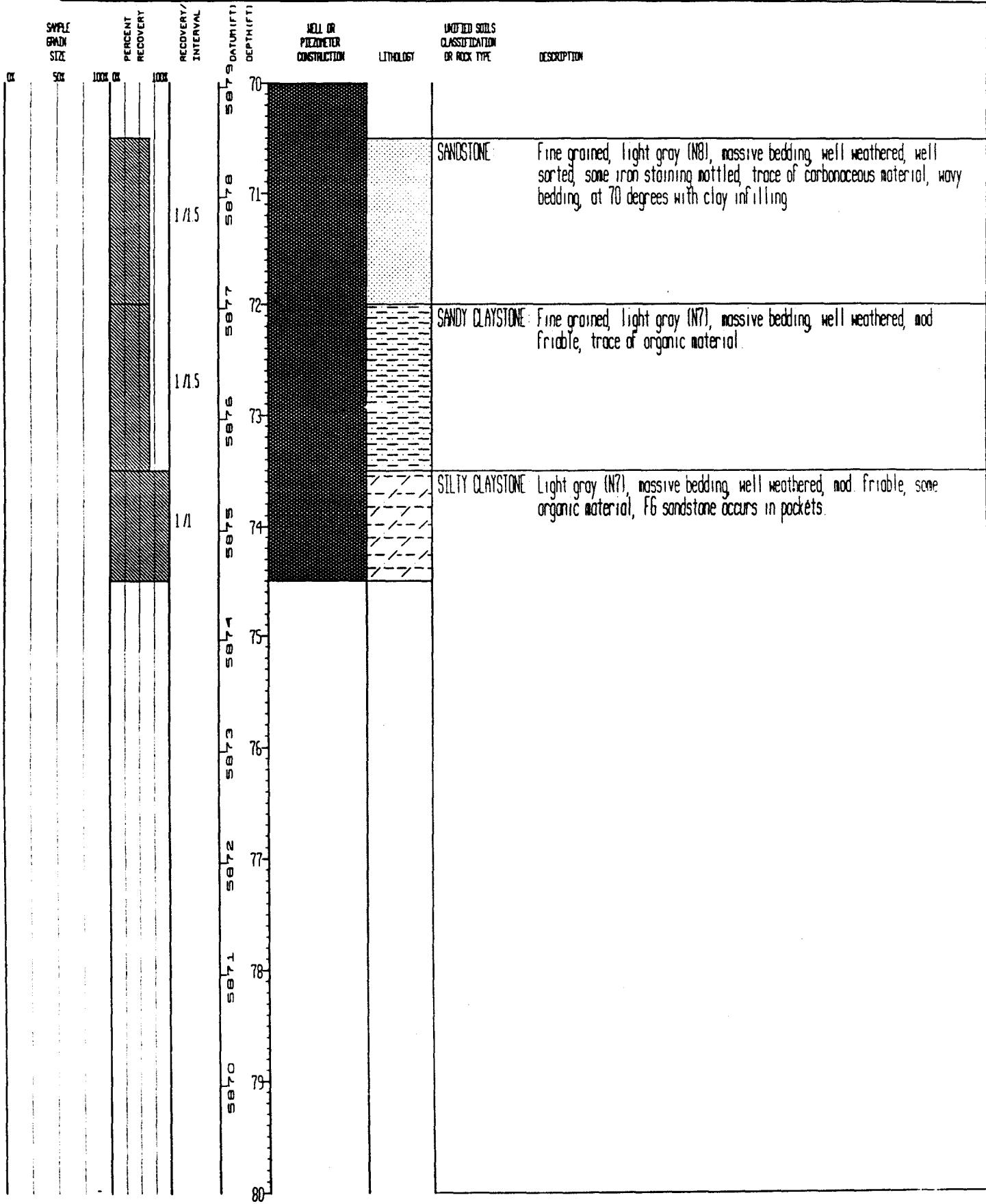
36-87BR



STATE PLANE COORDINATE:	TOTAL DEPTH (FT):	74.5	GROUND ELEVATION (FT):	5949.04	PROJECT NUMBER:	667.11	LOG OF BORING NUMBER
NORTH: 749979	AREA: EAST TRENCHES		CASING DIAMETER (IN):	2 1/2	GEOLOGIST:	DCB	
EAST: 2087295	LOCATOR NUMBER:	09	BOREHOLE DIAMETER (IN):	7.5	DATE DRILLED:	08/27/87	
REMARKS: Hollow Stem Auger.							

36-87BR

STATIONED SAMPLE DEPTH
SAMPLE NUMBER



APPENDIX E

TRANSPORTATION ANALYSIS FORM

**SUBSURFACE IM/IRA
OPERABLE UNIT NO. 2**

APPENDIX E

TRANSPORTATION ANALYSIS

With the exception of the no action alternative, each of the IM/IRA sites (903 Pad, Mound, East Trenches) involves transportation activities during installation of the vapor extraction system system and during subsequent operation of the collection/treatment processes. It is anticipated that primary shipments and vehicle movements during construction and normal operations will be by truck. Both on-site and off-site shipment of materials will be required to support the action. Potential transportation impacts to the human environment include exposure to the radioactive or hazardous material being hauled, latent effects associated with vehicle pollution, and traumatic injuries and fatalities from accidents.

An estimate of emission rates for operation of a typical truck are presented below:

<u>Pollutant</u>	<u>Emission Rate (g/km)</u>
Carbon Monoxide	22.0
Hydrocarbons	3.3
Nitrogen Oxide	13.0
Sulfur Oxide	5.1
Particulates ^b	0.8

^a From Rao et. al., 1982

^b Does not include fugitive dust

Estimates of health effects per kilometer for truck transportation are (Rao et. al., 1982):

<u>Source</u>	<u>LCFs^a</u>	<u>Injuries</u>	<u>Fatalities</u>
Pollutants	1×10^{-7}	—	—
Accidents	—	5.1×10^{-7}	3.0×10^{-8}

^a Latent cancer fatalities

The above accident impacts are average values over multiple population zones (urban, suburban, rural) and are derived from Department of Transportation (DOT) nationwide statistics. For the proposed IM/IRA, it is anticipated that the majority of material receipts for construction and routine operations will originate within the Denver Metropolitan area, within a 50-mile (80 km) radius of the plant site. To place transportation impacts to the general public in perspective, given the health effects tabulated above, approximately 60,000 round-trip truck shipments (with a 1-way distance of 50 miles) would be required to cause 1 additional latent cancer fatality. Approximately 210,000 truck shipments would be required to result in 1 additional traumatic fatality.

Transportation of radioactive and hazardous materials at the Rocky Flats Plant must comply with the regulations and guidelines established by the On-Site Transportation Manual (EG&G, 1991) for packaging, marking, labeling, handling, transporting, and storing materials. The On-Site Transportation Manual is based on current rules and regulations (CFR Titles 10, 40, 49), applicable DOE orders, and ALARA exposure principals. Vehicle and driver qualifications are maintained in accordance with Federal Motor Carrier Safety Regulations. Emergency response guidance for transportation-related accidental spills or container failures is provided in Section 17 of the On-Site Transportation Manual. More detailed notification, response, and recovery action procedures are specified in the Rocky Flats Emergency Plan and the Hazardous Materials Response Team Manual. A HAZ-MAT team would respond to an emergency condition and would identify material hazard classes and make appropriate notifications; isolate and establish restricted zones; and take any necessary actions to contain, control, and prevent the spread of hazardous materials.

An evaluation of transportation impacts for each IM/IRA site is presented below:

IM/IRA 903 Pad

IM/IRA 903 Pad activities involve transportation during vapor extraction system installation and routine operations.

Vapor extraction system installation transportation activities primarily involve the movement of a limited amount of equipment for drilling system setup and deliveries of vapor extraction system components. Direct impacts would include short-term effects common to all drilling projects, including dust generation, pollution, noise, and increased traffic levels. These impacts would be insignificant, considering the scope of this proposed action. Approximately 2 cubic yards of drilling cuttings and fluids may be classified as hazardous mixed waste and require off-site disposal. Potential impacts would be very small, as discussed below. Possible human health impacts resulting from installation transportation related emissions and accidents would also be very small, given the tabulated emissions and health effects estimates presented at the beginning of this Appendix.

Routine operations will require the delivery of process treatment components (HEPA filters, dessicants, GAC), daily tank truck transfer of untreated and partially treated water, occasional vehicle travel for inspection and maintenance of the vapor extraction system wells and pumps, and off-site disposal of materials that will likely be classified as hazardous mixed waste. Based on dewatering system design flow rates of one gpm, 365 water transfer trips per year may be required initially between the 903 Pad vapor extraction system and the South Walnut Creek treatment system. An annual total round trip travel distance of approximately 190 miles would be required to support transfer operations. If the pilot vapor extraction system at the 903 Pad is successful, the water may be hard piped to the treatment system thus eliminating this travel. All travel would be confined to the plant site on paved roads. Occasional travel to the collection system areas will also be required for periodic inspection and maintenance activities. Annual hazardous mixed waste disposal estimates include 2 cubic yards of drilling fluids and cuttings, and 4 cubic yards of solidified process sludge. Off-site transportation impacts associated with the hazardous/radioactive nature of the material would be very low, as evaluated in DOE (1991b). Relatively low concentrations of contaminants, disposal site waste acceptance criteria, and compliance with DOT packaging and transport requirements all contribute to a very low potential for health effects from normal transport and accidents. Health impacts resulting from both on-site and off-site transportation emissions and accidents would be small, considering the relatively low number of total miles traveled and the transportation health effects estimates presented at the beginning of this Appendix.

IM/IRA Mound

IM/IRA Mound activities involve transportation during the vapor extraction system installation phase as well as during subsequent routine operations.

During vapor extraction system installation, transportation would include the movement of a limited amount of equipment for drilling, system setup, and deliveries of vapor extraction system components. As with the 903 Pad, direct impacts would include those short-term effects common to all drilling projects, including dust generation, pollution, noise, and increased traffic levels. From the scope of the alternatives, none of these impacts would be expected to be significant. Possible personnel impacts resulting from transportation-related emissions and accidents would be very small, based on the tabulated emissions and health effects estimates presented at the beginning of the Appendix.

Routine operations will require the delivery of process treatment components (HEPA filters, dessicants, GAC) and the possible off-site disposal of materials that will likely be classified as hazardous mixed waste. Currently, dewatering activities with the subsequent requirement for tank trucks and sludge disposal is not anticipated at Mound. Annual hazardous mixed waste disposal estimates include 2 cubic yards of drilling fluids and cuttings. Off-site transportation impacts associated with the hazardous/radioactive nature of the material would be very low as determined in DOE (1991b). Relatively low concentrations of contaminants, disposal site waste acceptance criteria, and compliance with DOT packaging and transport requirements all contribute to very low health effects. Given the small number of off-site shipments and the tabulated emissions and health estimates presented in this Appendix, health impacts resulting from off-site transportation emissions and accidents are anticipated to be very small.

Operational activities will also include periodic inspection and maintenance of the vapor extraction system pumps and piping system. Vehicle miles traveled to support these operations will be very small and will result in negligible impacts.

IM/IRA East Trenches

As with IM/IRA 903 Pad and Mound, East Trenches involves transportation activities during installation and routine operations.

Installation transportation activities would be very similar to the 903 Pad and involve the movement of a limited amount of equipment for drilling, vapor extraction system setup, deliveries of vapor extraction system materials, and potential off-site disposal of drilling fluids and cuttings. As with the 903 Pad and Mound installation, transportation impacts would be very small. Drilling cuttings and fluids (2 cubic yards) will possibly be classified as hazardous mixed waste and require off-site disposal. Associated impacts would be very low, as determined from DOE (1991b).

Routine operations will require the delivery of process treatment chemicals (GAC), tank truck transfer of collected surface water, periodic vehicle travel for inspection and maintenance of the vapor extraction system, and off-site disposal of drilling cuttings and sludge. Approximately 365 tank truck trips a year (150 round trip miles) will be required to transport collected subsurface water from the transfer station to the South Walnut Creek treatment plant. Annual off-site disposal requirements would primarily require the shipment of dewatering sludge (4 cubic yards). In general, routine transportation activities will be less than those for the 903 Pad and more than Mound and will have very small impacts.